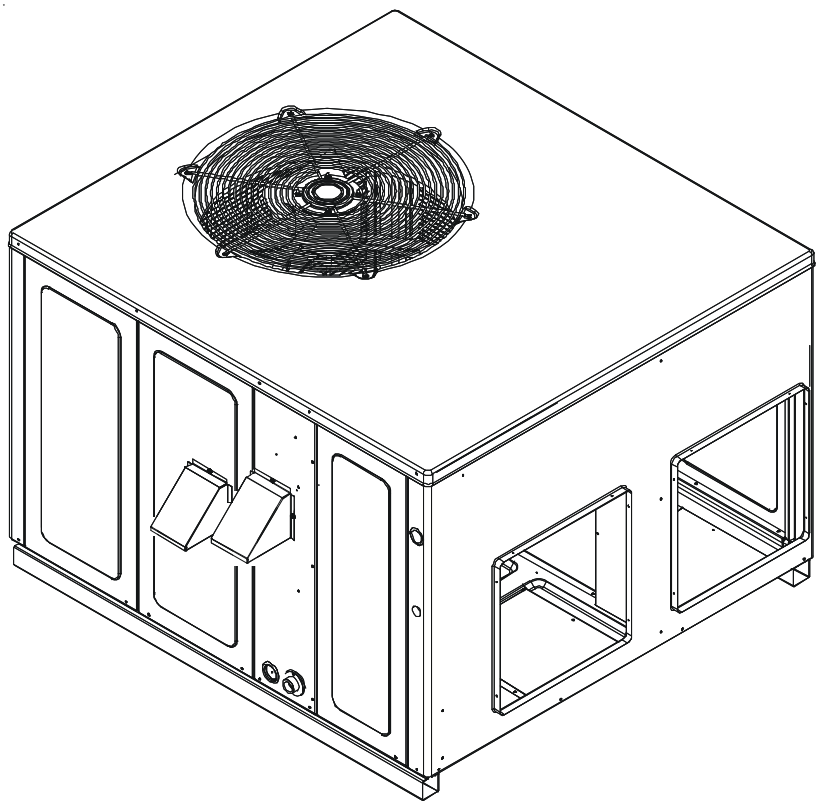
TECHNICAL MANUAL

*PG15
Package Gas Units

- Refer to Service Manual RS6300007 for installation, operation, and troubleshooting information.
- All safety information must be followed as provided in the Service Manual.
- Refer to the appropriate Parts Catalog for part number information.
- Models listed on page 3.
- Select Models qualify for the 2009 and 2010 Federal Tax Credits for Energy Efficiency**



***Note that these tax credits are subject to specific requirements set forth in the American Recovery and Reinvestment Act of 2009 and in the Internal Revenue Code. Goodman recommends that consumers consult a tax professional if they have questions about the applicability of these credits.*

RT6313001r11
April 2010

This manual is to be used by qualified, professionally trained HVAC technicians only.
Goodman does not assume any responsibility for property damage or personal injury due to improper service procedures or services performed by an unqualified person.

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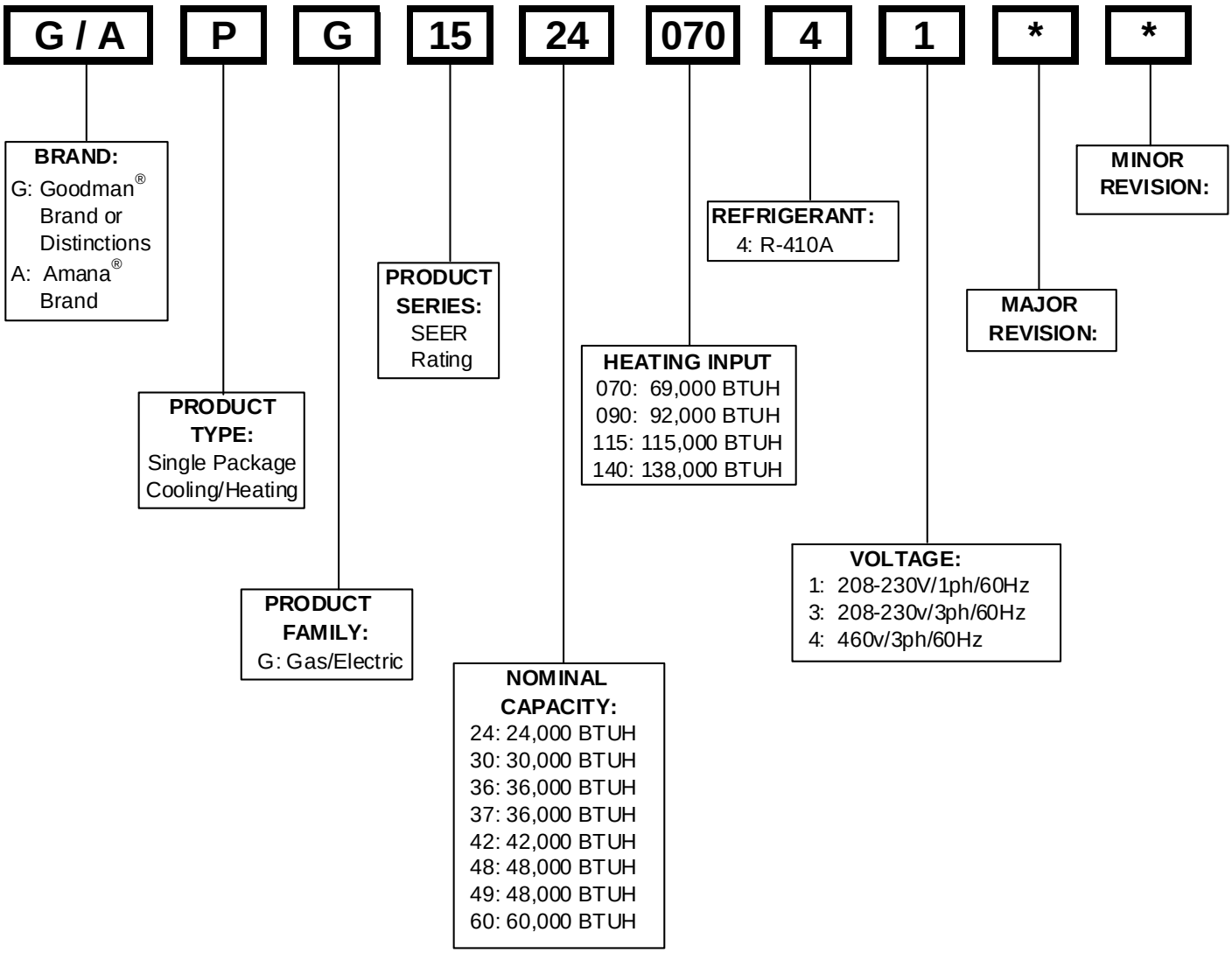
PRODUCT IDENTIFICATION

The model number is used for positive identification of component parts used in manufacturing. Please use this number when requesting service or parts information.



⚠ WARNING

HIGH VOLTAGE!

Disconnect ALL power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury or death.

⚠ WARNING **Goodman will not be responsible for any injury or property damage arising from improper service or service procedures. If you install or perform service on this unit, you assume responsibility for any personal injury or property damage which may result. Many jurisdictions require a license to install or service heating and air conditioning equipment.**

⚠ WARNING **Installation and repair of this unit should be performed ONLY by individuals meeting (at a minimum) the requirements of an "entry level technician" as specified by the Air-Conditioning, Heating, and Refrigeration Institute (AHRI). Attempting to install or repair this unit without such background may result in product damage, personal injury or death.**

PRODUCT IDENTIFICATION

The model number is used for positive identification of component parts used in manufacturing. Please use this number when requesting service or parts information.

APG152407041A*	GPG152407041A*
APG153009041A*	GPG153009041A*
APG153609041A*	GPG153609041A*
APG153709041A*	GPG153709041A*
APG154209041A*	GPG154209041A*
APG154811541A*	GPG154811541A*
APG154911541A*	GPG154911541A*
APG156014041A*	GPG156014041A*

** Indicates minor revision & is not used for order entry or inventory management*

The models listed below qualify for the 2009 and 2010 Federal Tax Credits for Energy Efficiency**

APG152407041A*	GPG152407041A*
APG153007041A*	GPG153007041A*
APG153709041A*	GPG153709041A*
APG154209041A*	GPG154209041A*
APG154911541A*	GPG154911541A*

***Note that these tax credits are subject to specific requirements set forth in the American Recovery and Reinvestment Act of 2009 and in the Internal Revenue Code. Goodman recommends that consumers consult a tax professional if they have questions about the applicability of these credits.*

WARNING **The United States Environmental Protection Agency ("EPA") has issued various regulations regarding the introduction and disposal of refrigerants introduced into this unit. Failure to follow these regulations may harm the environment and can lead to the imposition of substantial fines. These regulations may vary by jurisdiction. Should questions arise, contact your local EPA office.**

WARNING **Do not connect or use any device that is not design certified by Goodman for use with this unit. Serious property damage, personal injury, reduced unit performance and/or hazardous conditions may result from the use of such non-approved devices.**

WARNING **To prevent the risk of property damage, personal injury, or death, do not store combustible materials or use gasoline or other flammable liquids or vapors in the vicinity of this appliance.**

PRODUCT DESIGN

*PG15 Package Gas Units are designed for outdoor installations only in either residential or light commercial applications and are available in 2, 2-1/2, 3, 3-1/2, 4 & 5 ton sizes. They are designed for 208/230 volt single phase applications.

The connecting ductwork (Supply and Return) can be connected for either horizontal or vertical airflow. In the vertical application, a matching Roof Curb is recommended.

A return air filter must be installed behind the return air grille(s) or provision must be made for a filter in an accessible location within the return air duct. The minimum filter area should not be less than those sizes listed in the Specification Section. Under no circumstances should the unit be operated without return air filters.

A 3/4" pipe is provided for removal of condensate water from the indoor coil. (Do not reduce the drain line size).

Refrigerant flow control is achieved by use of a TXV or orifice.

*PG15 units use the FasTest Access Fitting System which consists of a saddle that is either soldered to the suction and liquid lines or is fastened with a locking nut to the access fitting box (core) and then screwed into the saddle. **NOTE: The core must not be removed from the saddle until the refrigerant charge has been removed. Failure to do so could result in property damage or personal injury.**

The single phase units use permanent split capacitors (PSC) design compressors. Starting components are therefore not required. A low MFD run capacitor assists the compressor to start and remains in the circuit during operation.

The *PG15*****41AA models are equipped with X-13 blower motors. X-13 motors are constant torque motors with very low power consumption and are energized by a 24V signal from the ignition control board. The X-13 features an integrated control module.

Air for condensing (cooling cycle) is drawn through the outdoor coil by a propeller fan, and is discharged vertically out the top of the unit. The outdoor coil is designed for .0 static. No additional restriction (ductwork) shall be applied.

Conditioned air is drawn through the filter(s), field installed, across the coil and back into the conditioned space by the indoor blower.

The *PG15 series package units use the Compliant Scroll compressor; there are a number of design characteristics which are different from the traditional reciprocating compressor.

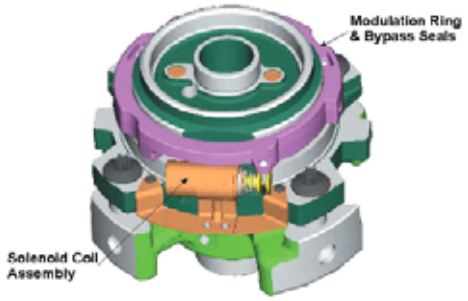
- Due to their design Scroll compressors are inherently more tolerant of liquid refrigerant. **NOTE**: Even though the compressor section of a Scroll compressor is more tolerant of liquid refrigerant, continued flood back or flooded start conditions may wash oil from the bearing surfaces causing premature bearing failure.

- These Scroll compressors use "POE" orpolyolester oil which is NOT compatible with mineral oilbased lubricants like 3GS. "POE" oil must be used if additional oil is required.

- Compliant scroll compressors perform “quiet” shutdowns that allow the compressor to restart immediately without the need for a time delay. This compressor will restart even if the system has not equalized.

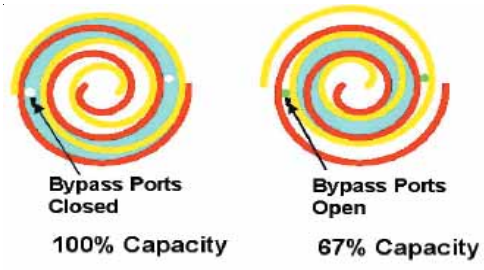
- Operating pressures and amp draws may differ from standard reciprocating compressors. This information may be found in the “Cooling Performance Data” section.

Some other models of the *PG15 series package units use a 2 stage scroll compressor. The basic scroll design has been modified with the addition of an internal unloading mechanism that opens a by-pass port in the first compression pocket, effectively reducing the displacement of the scroll. The opening and closing of the by-pass port is controlled by an internal electrically operated solenoid.



The ZPS modulated scroll uses a single step of unloading

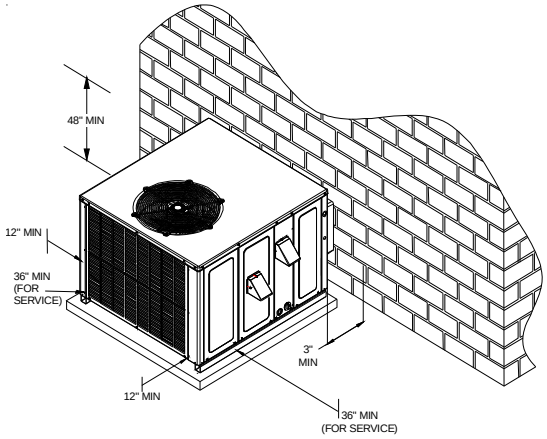
to go from full capacity to approximately 67% capacity. A single speed, high efficiency motor continues to run while the scroll modulates between the two capacity steps.



PRODUCT DESIGN

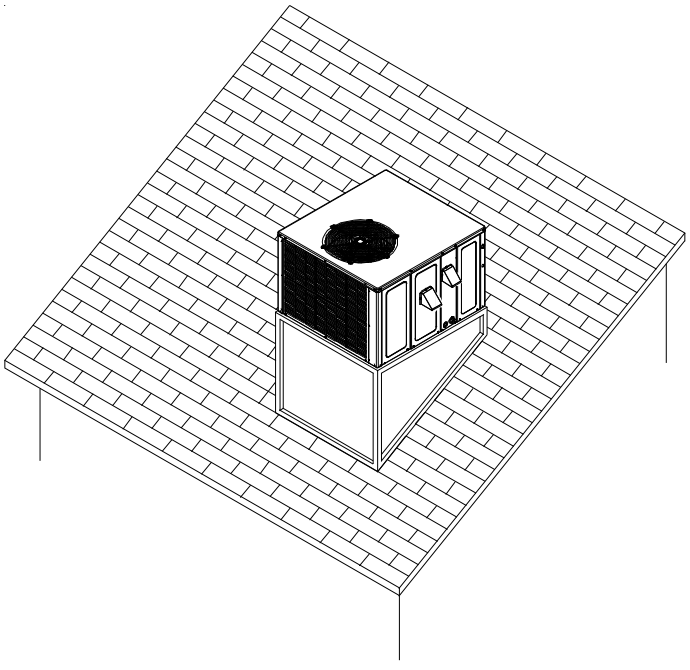
Location and Clearances

NOTE: To ensure proper condensate drainage, unit must be installed in a level position.



Outside Slab Installation

NOTE: Roof overhang should be no more than 36" and provisions made to deflect the warm discharge air out from the overhang. Minimum clearances are required to avoid air recirculation and keep the unit operating at peak efficiency.



Rooftop Installation

NOTE: To ensure proper condensate drainage, unit must be installed in a level position.

In installations where the unit is installed above ground level and not serviceable from the ground (Example: Roof Top installations) the installer must provide service platform for service person with rails or guards in accordance with local codes or ordinances or in their absence with the latest edition of the National Fuel Gas Code ANSIZ223.1.

NOTE: Unit can also use roof curb (and platform for leveling, where necessary) to utilize bottom discharge.

⚠ WARNING

TO PREVENT POSSIBLE PROPERTY DAMAGE, THE UNIT SHOULD REMAIN IN AN UPRIGHT POSITION DURING ALL RIGGING AND MOVING OPERATIONS. TO FACILITATE LIFTING AND MOVING IF A CRANE IS USED, PLACE THE UNIT IN AN ADEQUATE CABLE SLING.

IMPORTANT: If using bottom discharge with roof curb, ductwork should be attached to the curb prior to installing the unit.

Refer to Roof Curb Installation Instructions for proper curb installation. Curbing must be installed in compliance with the National Roofing Contractors Association Manual.

PRODUCT DESIGN

High Altitude Derate - U.S. Installations Only

IMPORTANT NOTE: The gas/electric units naturally derate with altitude. Do not attempt to increase the firing rate by changing orifices or increasing the manifold pressure. This can cause poor combustion and equipment failure. At all altitudes, the manifold pressure must be within 0.3 inches W.C. of that listed on the nameplate for the fuel used. At all altitudes and with either fuel, the air temperature rise must be within the range listed on the unit nameplate. Refer to the Installation Manual provided with the LP kit for conversion from natural gas to propane gas and for altitude adjustments.

When this package unit is installed at high altitude, the appropriate High Altitude orifice kit must be installed. As altitude increases, there is a natural reduction in the density of both the gas fuel and combustion air. This kit will provide the proper design certified input rate within the specified altitude range. High altitude kits are not approved for use in Canada. For installations above 2,000 feet, use kit HA-02. The HA-02 kit is used for both Natural and LP gas at high altitudes.

Use LPM-06 propane conversion kit for propane conversions at altitudes below 2000 feet. Natural gas installations below 2000 feet do not require a kit.

For propane conversions above 2000 feet, high altitude kit HA-02 is required in addtion to LPM-05 propane conversion kit.

NATURAL GAS AND LP GAS INSTALLATIONS AT ALTITUDES > 2000 FT

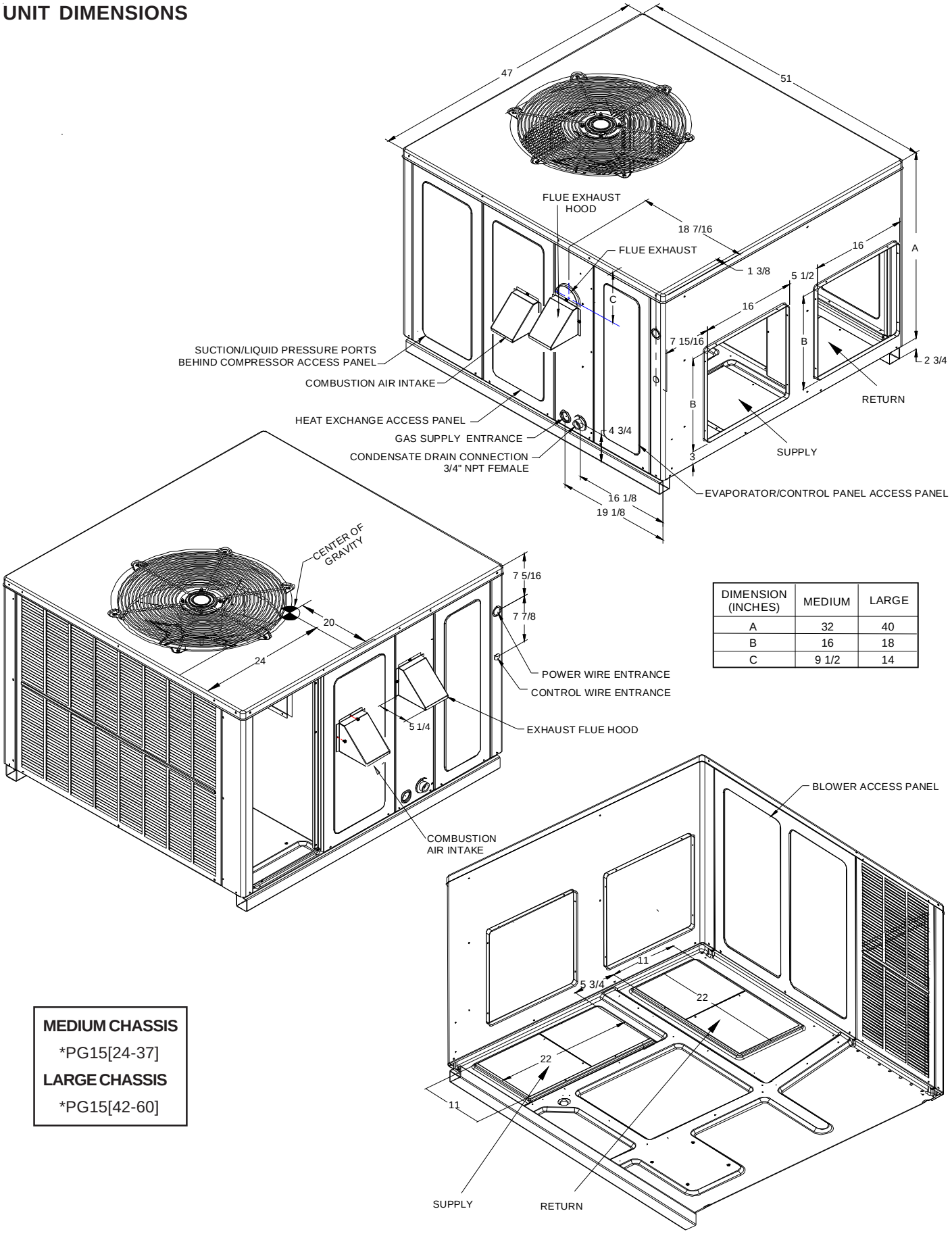
INPUT/BURNER	**HIGH ALTITUDE KIT**	**20,000 BTUH NAT/20,OOO BTUH/L.P.**							
		ELEVATION ABOVE SEA-LEVEL (FEET)							
		2000	**3000**	**4000**	**4500**	**5000**	**6000**	**7000**	**8000**
U.S. BURNER ORIFICE	HA02	45/55	47/55	47/56	-	47/56	48/57	48/58	49/58
CANADA BURNER ORIFICE		45/55	-	-	48/57	-	-	-	-

INPUT/BURNER	**HIGH ALTITUDE KIT**	**22,500 BTUH NAT/20,OOO BTUH/L.P.**							
		ELEVATION ABOVE SEA-LEVEL (FEET)							
		2000	**3000**	**4000**	**4500**	**5000**	**6000**	**7000**	**8000**
U.S. BURNER ORIFICE	HA02	44/55	44/55	45/56	-	45/56	46/57	47/58	47/58
CANADA BURNER ORIFICE		44/55	-	-	47/57	-	-	-	-

INPUT/BURNER	**HIGH ALTITUDE KIT**	**25,000 BTUH NAT/20,OOO BTUH/L.P.**							
		ELEVATION ABOVE SEA-LEVEL (FEET)							
		2000	**3000**	**4000**	**4500**	**5000**	**6000**	**7000**	**8000**
U.S. BURNER ORIFICE	HA02	43/55	43/55	44/56	-	44/56	44/56	45/57	45/57
CANADA BURNER ORIFICE		43/55	-	-	46/57	-	-	-	-

PACKAGE GAS SPECIFICATIONS

UNIT DIMENSIONS



DIMENSION (INCHES)	MEDIUM	LARGE
A	32	40
B	16	18
C	9 1/2	14

MEDIUM CHASSIS
*PG15[24-37]
LARGE CHASSIS
*PG15[42-60]

PACKAGE GAS SPECIFICATIONS *PG15[24-37]***41AA

		*PG152407041AA	*PG153009041AA	*PG153609041AA	*PG153709041AA
COOLING	COOLING CAPACITY, BTUH				
CAPACITY	HIGH STAGE	23,200	29,000	35,400	35,000
	LOW STAGE	N/A	N/A	24,400	N/A
	SEER / EER	15.0 / 12.0	14.5 / 12.0	15.0 / 11.0	14.5 / 12.0
HEATING	BTUH INPUT (US) HIGH FIRE	69,000	92,000	92,000	92,000
CAPACITY	OUTPUT (US) HIGH FIRE (Natural Gas)	55,000	73,500	73,500	73,500
	OUTPUT (US) HIGH FIRE (LP)	50,000	69,000	69,000	69,000
	BTUH INPUT (US) LOW FIRE	52,000	69,000	69,000	69,000
	OUPUT (US) LOW FIRE (Natural)	41,500	55,000	55,000	55,000
	OUTPUT (US) LOW FIRE (LP)	37,000	50,000	50,000	50,000
	A.F.U.E.	80	80	80	80
	RATED EXTERNAL STATIC (" w.c.)	0.50	0.50	0.50	0.50
	TEMPERATURE RISE (°F)	35-65	45-75	45-75	45-75
	PRESSURE SWITCH TRIP POINT (" w.c.)	-.33"	-.33"	-.33"	-.33"
UNIT	VOLTAGE (NAMEPLATE)	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
ELECTRICAL	UNIT AMPS (TOTAL)	18.7	17.5	22.2	20.1
SPECIFICATION	MINIMUM CIRCUIT AMPACITY	22.1	21	26.5	24.2
	MAXIMUM OVERCURRENT PROTECTION(3)	30	35	40	40
HEATING	NUMBER OF BURNERS	3	4	4	4
SECTION	ORIFICE SIZE NATURAL	43	43	43	43
	ORIFICE SIZE LP	55	55	55	55
COMPRESSOR	TYPE	Scroll	Scroll	Scroll	Scroll
	RATED LOAD AMPS	13.5	14.1	16.7	16.7
	LOCKED ROTOR AMPS	58.3	73	82	79
CONDENSER	HORSEPOWER	1/6	1/4	1/4	1/4
FAN MOTOR	RPM	815	830	1075	830
	FULL LOAD AMPS	1.10	1.5	1.4	1.5
	LOCKED ROTOR AMPS	1.7	3.0	2.9	3.0
CONDENSER	BLADE DIAMETER (INCHES)	22	22	22	22
FAN	NUMBER OF BLADES	3	3	3	3
	CFM	2400	2700	2700	2700
CONDENSER	FACE AREA - SQ. FT.	12.3	12.3	12.3	12.3
COIL	NUMBER OF ROWS	1	2	1	2
	FINS PER INCH	22	16	22	16
EVAPORATOR	HORSEPOWER - NO. OF SPEEDS	1/2 - X-13	1/2 - X-13	1/2 - X-13	1/2 - X-13
BLOWER	FULL LOAD AMPS	4.1	1.86	4.1	1.86
MOTOR	LOCKED ROTOR AMPS	N/A	N/A	N/A	N/A
	MOTOR SPEED TAP - COOLING	T4	T3, T4	T3, T4	T3, T4
	RPM / AMPS	724 / 1.21	960 / 3.06	640 / 0.98 960 / 3.06	960 / 3.06
EVAPORATOR	DIAMETER X WIDTH (INCHES)	10 x 8	10 x 9	10 x 9	10 x 9
BLOWER	RATED SCFM COOLING	845	1050	800 / 1225	1050
	MAX EXTERNAL STATIC PRESS ("w.c.)	0.5	0.5	0.5	0.5
EVAPORATOR	FACE AREA - SQ. FT.	4.33	4.33	4.33	4.33
COIL	NUMBER OF ROWS	2	3	4	4
	FINS PER INCH	14	14	14	14
	FILTER SIZE - SQ. FT.(2)	2.7	4.2	4.2	4.2
	DRAIN SIZE (INCHES)	3/4	3/4	3/4	3/4
HEATING	PRIMARY LIMIT SETTING (°F)	160	160	160	160
LIMITS	AUXILIARY LIMIT SETTING (°F)	150	150	150	150
	ROLLOUT LIMIT SETTING (°F)	300	300	300	300
GENERAL	EXPANSION DEVICE	TXV	0.065	TXV	TXV
INFORMATION	REFRIGERANT CHARGE R-410A (Oz.)	81	102	99	112
	POWER SUPPLY ENTRANCE SIZE (INCHES)	1 1/8	1 1/8	1 1/8	1 1/8
	LOW VOLTAGE ENTRANCE SIZE (INCHES)	7/8	7/8	7/8	7/8
	SHIPPING WEIGHT LBS.	439	475	480	480
	OPERATING WEIGHT LBS.	417	453	458	458

(1) Units installed in Canada are certifed only to 4500 feet.
(2) Calculated external filter size based on air velocity of 300 ft/min. and applies to disposable filters **only.**
(3) Maximum Overcurrent Protection Device: **MUST** use Time Delay Fuse or HACR type Circuit Breaker of the same size as noted.

IMPORTANT: While this data is presented as a guide, it is important to electrically connect the unit and properly size wires and fuses/circuit breakers in accordance with the National Electrical Code and/or all local codes.

PACKAGE GAS SPECIFICATIONS *PG15[42-60]***41AA

	*PG154211541AA	*PG154811541AA	*PG154911541AA	*PG156014041AA
COOLING CAPACITY, BTUH				
HIGH STAGE	40,000	47,500	47,000	56,500
LOW STAGE	N/A	35,000	33,000	41,000
SEER/EER	14.5 / 12.0	15.0 / 11.0	15.0 / 12.0	14.0 / 10.1
BTUH INPUT (US) HIGH FIRE	115,000	115,000	115,000	138,000
OUTPUT (US) HIGH FIRE (Natural Gas)	92,000	92,000	92,000	110,200
OUTPUT (US) HIGH FIRE (LP)	83,000	83,000	83,000	99,000
BTUH INPUT (US) LOW FIRE	86,000	86,000	86,000	103,000
OUPUT (US) LOW FIRE (Natural)	69,000	69,000	69,000	83,000
OUTPUT (US) LOW FIRE (LP)	62,000	62,000	62,000	74,000
A.F.U.E.	80	80	80	80
RATED EXTERNAL STATIC (" w.c.)	0.50	0.50	0.50	0.50
TEMPERATURE RISE (°F)	45-75	45-75	45-75	45-75
PRESSURE SWITCH TRIP POINT (" w.c.)	-.33"	-.33"	-.33"	-.33"
VOLTAGE (NAMEPLATE)	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
UNIT AMPS (TOTAL)	22.2	29.4	25.5	35.6
MINIMUM CIRCUIT AMPACITY	26.6	34.8	30.8	42.1
MAXIMUM OVERCURRENT PROTECTION(3)	40	50	50	60
NUMBER OF BURNERS	5	5	5	6
ORIFICE SIZE NATURAL	43	43	43	43
ORIFICE SIZE LP	55	55	55	55
TYPE	Scroll	Scroll	Scroll	Scroll
RATED LOAD AMPS	17.9	21.2	21.2	25.6
LOCKED ROTOR AMPS	112	96	96	118
HORSEPOWER	1/4	1/3	1/4	1/3
RPM	1075	1075	1075	1075
FULL LOAD AMPS	1.4	2.5	1.4	2.5
LOCKED ROTOR AMPS	2.9	5.8	2.9	5.2
BLADE DIAMETER (INCHES)	22	22	22	22
NUMBER OF BLADES	3	4	3	4
CFM	3500	3500	3500	3500
FACE AREA - SQ. FT.	15.3	15.3	15.3	15.3
NUMBER OF ROWS	2	2	2	2
FINS PER INCH	16	16	16	16
HORSEPOWER - NO. OF SPEEDS	3/4 - X-13	3/4 - X-13	3/4 - X-13	1 - X-13
FULL LOAD AMPS	2.87	6.00	2.87	7.60
LOCKED ROTOR AMPS	N/A	N/A	N/A	N/A
MOTOR SPEED TAP - COOLING	T3, T4	T3, T4	T3, T4	T3,T4
RPM / AMPS	890 / 3.8	647 / 1.66 890 / 3.8	890 / 3.8	778 / 1.98 1030 / 5.7
DIAMETER X WIDTH (INCHES)	11 x 10	11 x 10	11 x 10	11 x 10
RATED SCFM COOLING	1200	1100 / 1510	1300	1300 / 1810
MAX EXTERNAL STATIC PRESS ("w.c.)	0.5	0.5	0.5	0.5
FACE AREA - SQ. FT.	5.67	5.67	5.67	5.67
NUMBER OF ROWS	4	4	4	4
FINS PER INCH	14	14	14	14
FILTER SIZE - SQ. FT.(2)	5.1	5.1	5.1	6.3
DRAIN SIZE (INCHES)	3/4	3/4	3/4	3/4
PRIMARY LIMIT SETTING (°F)	170	170	170	160
AUXILIARY LIMIT SETTING (°F)	150	150	150	150
ROLLOUT LIMIT SETTING (°F)	300	300	300	300
EXPANSION DEVICE	0.072	TXV	TXV	TXV
REFRIGERANT CHARGE R-410A (Oz.)	162	169	167	177
POWER SUPPLY ENTRANCE SIZE (INCHES)	1 1/8	1 1/8	1 1/8	1 1/8
LOW VOLTAGE ENTRANCE SIZE (INCHES)	7/8	7/8	7/8	7/8
SHIPPING WEIGHT LBS.	560	560	560	565
OPERATING WEIGHT LBS.	538	538	538	543

(1) Units installed in Canada are certifed only to 4500 feet.
(2) Calculated external filter size based on air velocity of 300 ft/min. and applies to disposable filters **only.**
(3) Maximum Overcurrent Protection Device: **MUST** use Time Delay Fuse or HACR type Circuit Breaker of the same size as noted.

IMPORTANT: While this data is presented as a guide, it is important to electrically connect the unit and properly size wires and fuses/circuit breakers in accordance with the National Electrical Code and/or all local codes.

PACKAGE GAS SPECIFICATIONS *PG15[36-60]***41AB

		*PG153609041AB	*PG154811541AB	*PG156014041AB
COOLING	COOLING CAPACITY, BTUH			
CAPACITY	HIGH STAGE	35,400	47,500	56,500
	LOW STAGE	24,400	35,000	41,000
	SEER/EER	15.0 / 11.0	15.0 / 11.0	14.0 / 10.1
HEATING	BTUH INPUT (US) HIGH FIRE	92,000	115,000	138,000
CAPACITY	OUTPUT (US) HIGH FIRE (Natural Gas)	73,500	92,000	110,200
	OUTPUT (US) HIGH FIRE (LP)	69,000	83,000	99,000
	BTUH INPUT (US) LOW FIRE	69,000	86,000	103,500
	OUPUT (US) LOW FIRE (Natural)	55,000	69,000	83,000
	OUTPUT (US) LOW FIRE (LP)	50,000	62,000	74,000
	A.F.U.E.	80	80	80
	RATED EXTERNAL STATIC (" w.c.)	0.50	0.50	0.50
	TEMPERATURE RISE (°F)	45-75	45-75	45-75
	PRESSURE SWITCH TRIP POINT (" w.c.)	-.33"	-.33"	-.33"
UNIT	VOLTAGE (NAMEPLATE)	208-230/1/60	208-230/1/60	208-230/1/60
ELECTRICAL	UNIT AMPS (TOTAL)	22.3	20.1	34.6
SPECIFICATION	MINIMUM CIRCUIT AMPACITY	26.5	34.8	42.1
	MAXIMUM OVERCURRENT PROTECTION(3)	40	50	60
HEATING	NUMBER OF BURNERS	4	5	6
SECTION	ORIFICE SIZE NATURAL	43	43	43
	ORIFICE SIZE LP	55	55	55
COMPRESSOR	TYPE	Scroll	Scroll	Scroll
	RATED LOAD AMPS	16.7	21.2	25.8
	LOCKED ROTOR AMPS	82	96	118
CONDENSER	HORSEPOWER	1/4	1/4	1/4
FAN MOTOR	RPM	830	1075	1075
	FULL LOAD AMPS	1.5	1.4	1.4
	LOCKED ROTOR AMPS	3.0	5.2	5.2
CONDENSER	BLADE DIAMETER (INCHES)	22	22	22
FAN	NUMBER OF BLADES	3	3	3
	CFM	2700	3500	3500
CONDENSER	FACE AREA - SQ. FT.	12.3	15.3	15.3
COIL	NUMBER OF ROWS	1	2	2
	FINS PER INCH	22	16	16
EVAPORATOR	HORSEPOWER - NO. OF SPEEDS	1/2 - X-13	3/4 - X-13	1 - X-13
BLOWER	FULL LOAD AMPS	4.1	6	7.6
MOTOR	LOCKED ROTOR AMPS	N/A	N/A	N/A
	MOTOR SPEED TAP - COOLING	T3, T4	T3, T4	T3,T4
	RPM / AMPS	640 / 0.98 960 / 3.06	647 / 1.66 890 / 3.8	778 / 1.98 1030 / 5.7
EVAPORATOR	DIAMETER X WIDTH (INCHES)	10 x 9	11 x 10	11 x 10
BLOWER	RATED SCFM COOLING	800 / 1225	1100 / 1510	1300 / 1810
	MAX EXTERNAL STATIC PRESS ("w.c.)	0.5	0.5	0.5
EVAPORATOR	FACE AREA - SQ. FT.	4.33	5.67	5.67
COIL	NUMBER OF ROWS	4	4	4
	FINS PER INCH	14	14	14
	FILTER SIZE - SQ. FT.(2)	4.2	5.1	6.3
	DRAIN SIZE (INCHES)	3/4	3/4	3/4
HEATING	PRIMARY LIMIT SETTING (°F)	160	170	160
LIMITS	AUXILIARY LIMIT SETTING (°F)	150	150	150
	ROLLOUT LIMIT SETTING (°F)	300	300	300
GENERAL	EXPANSION DEVICE	TXV	TXV	TXV
INFORMATION	REFRIGERANT CHARGE R-410A (Oz.)	102	172	180
	POWER SUPPLY ENTRANCE SIZE (INCHES	1 1/8	1 1/8	1 1/8
	LOW VOLTAGE ENTRANCE SIZE (INCHES)	7/8	7/8	7/8
	SHIPPING WEIGHT LBS.	480	560	565
	OPERATING WEIGHT LBS.	458	538	543

(1) Units installed in Canada are certifed only to 4500 feet.
(2) Calculated external filter size based on air velocity of 300 ft/min. and applies to disposable filters **only.**
(3) Maximum Overcurrent Protection Device: **MUST** use Time Delay Fuse or HACR type Circuit Breaker of the same size as noted.

IMPORTANT: While this data is presented as a guide, it is important to electrically connect the unit and properly size wires and fuses/circuit breakers in accordance with the National Electrical Code and/or all local codes.

ACCESSORIES

ACCESSORIES	
Part Number	**Description**
LPM-06	Propane Conversion Kit
HA-02	High Altitude Kit
PGC101/102/103	Roof Curb
PGED101/102	Downflow Economizer, Small and Medium Chassis
PGED103	Downflow Economizer, Large Chassis
PGEH101/102	Horizontal Economizer, Small and Medium Chassis
PGEH103	Horizontal Economizer, Large Chassis
PGMDD101/102	Manual 25% Fresh Air Damper Downflow Application, Small and Medium Chassis
PGMDD103	Manual 25% Fresh Air Damper Downflow Application, Large Chassis
PGMDH101	Manual 25% Fresh Air Damper Horizontal Application, Small Chassis
PGMDH102	Manual 25% Fresh Air Damper Horizontal Application, Medium Chassis
PGMDH103	Manual 25% Fresh Air Damper Horizontal Application, Large Chassis
PGMDMD101/102	Motorized 25% Fresh Air Damper Downflow Application,Small and Medium Chassis
PGMDMD103	Motorized 25% Fresh Air Downflow Application, Large Chassis
PGMDMH101	Motorized 25% Fresh Air Damper Horizontal Application, Small Chassis
PGMDMH102	Motorized 25% Fresh Air Damper Horizontal Application, Medium Chassis
PGMDMH103	Motorized 25% Fresh Air Damper Horizontal Application, Large Chassis
SQRPG101/102	Square to Round Adapter w/ 16" Round Downflow Application, Small and Medium Chassis
SQRPG103	Square to Round Adapter w/ 18" Round Downflow Application, Large Chassis
SQRPGH101/102	Square to Round Adapter w/ 16" Round Horizontal Application, Small and Medium Chassis
SQRPGH103	Square to Round Adapter w/ 18" Round Horizontal Application, Large Chassis
PGFR101/102/103	Internal Filter Rack All Chassis
GPGHFR101-103	External Horizontal Filter Rack for Goodman/Amana Gas/Electric & Multi-position Package Units All Chassis
CDK36	Flush Mount Concentric Duct Kit
CDK36515	Flush Mount Concentric Duct Kit w/ Filter
CDK36530	Step Down Concentric Duct Kit
CDK36535	Step Down Concentric Duct Kit w/ Filter
CDK4872	Flush Mount Concentric Duct Kit
CDK4872515	Flush Mount Concentric Duct Kit w/ Filter
CDK4872530	Step Down Concentric Duct Kit
CDK4872535	Step Down Concentric Duct Kit w/ Filter

NOTE: *Complete lineup of thermostats can be found in the Thermostat Specification Sheets.*

BLOWER PERFORMANCE DATA *PG15[24-36]***41A*

***PG15240701A* - Rise Range: 35° - 65°**

Unit	T1 - 1st Stage Heating Speed				T2 - 2nd Stage Heating Speed				T3 - Cooling Speed			T4 - Cooling Spped			T5 - Cooling Spped		
Static	CFM	WATTS	AMPS	RISE	CFM	WATTS	AMPS	RISE	CFM	WATTS	AMPS	CFM	WATTS	AMPS	CFM	WATTS	AMPS
0.1	742	84	0.75	52	907	134	1.18	57	857	116	1.04	907	134	1.18	1,040	185	1.33
0.2	677	89	0.82	57	857	140	1.24	61	816	126	1.16	857	140	1.24	988	198	1.40
0.3	631	97	0.90	62	814	149	1.32	64	760	131	1.18	814	149	1.32	949	208	1.42
0.4	575	101	0.92	X	761	154	1.33	X	721	140	1.25	761	154	1.33	903	213	1.49
0.5	526	111	1.01	X	727	165	1.41	X	670	145	1.31	727	165	1.41	871	222	1.55
0.6	-	-	-	-	678	169	1.47	X	629	155	1.39	678	169	1.47	824	228	1.58
0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

***PG153009041A* - Rise Range: 45° -75°**

Unit	T1 - 1st Stage Heating Speed				T2 - 2nd Stage Heating Speed				T3 Cooling Spped			T4 - Cooling Speed			T5 - Cooling Speed		
Static	CFM	WATTS	AMPS	RISE	CFM	WATTS	AMPS	RISE	CFM	WATTS	AMPS	CFM	WATTS	AMPS	CFM	WATTS	AMPS
0.1	1,065	168	1.42	49	1,255	257	2.10	55	1,148	170	1.55	1,148	170	1.55	1,333	304	2.41
0.2	1,003	174	1.48	52	1,217	269	2.19	57	1,092	176	1.66	1,092	176	1.66	1,293	314	2.48
0.3	961	185	1.55	54	1,165	274	2.21	59	1,044	184	1.72	1,044	184	1.72	1,237	321	2.54
0.4	913	195	1.62	57	1,113	285	2.30	62	994	194	1.77	994	194	1.77	1,193	333	2.71
0.5	855	202	1.69	60	1,073	296	2.36	64	929	210	1.89	929	210	1.89	1,158	341	2.77
0.6	814	212	1.76	63	1,018	302	2.41	68	811	222	1.99	811	222	1.99	1,101	345	2.78
0.7	749	218	1.82	69	991	313	2.48	70	763	224	2.03	763	224	2.03	-	-	-
0.8	713	227	1.87	72	-	-	-	-	715	236	2.07	715	236	2.07	-	-	-

***PG153609041A* - Rise Range: 45° -75°**

Unit	T1 - 1st Stage Heating Speed				T2 - 2nd Stage Heating Speed				T3 - 1st Stage Cooling			T4 - 2nd Stage Cooling			T5 - Cooling Speed		
Static	CFM	WATTS	AMPS	RISE	CFM	WATTS	AMPS	RISE	CFM	WATTS	AMPS	CFM	WATTS	AMPS	CFM	WATTS	AMPS
0.1	1,065	168	1.42	49	1,255	257	2.10	55	924	120	1.08	1,333	304	2.41	1,418	360	2.92
0.2	1,003	174	1.48	52	1,217	269	2.19	57	863	128	1.14	1,293	314	2.48	1,375	371	3.00
0.3	961	185	1.55	54	1,165	274	2.21	59	812	138	1.24	1,237	321	2.54	1,316	376	3.05
0.4	913	195	1.62	57	1,113	285	2.30	62	745	145	1.27	1,193	333	2.71	1,279	387	3.13
0.5	855	202	1.69	60	1,073	296	2.36	64	702	154	1.35	1,158	341	2.77	1,245	392	3.19
0.6	814	212	1.76	63	1,018	302	2.41	68	643	159	1.37	1,101	345	2.78	1,193	400	3.22
0.7	749	218	1.82	69	991	313	2.48	70	601	168	1.44	-	-	-	-	-	-
0.8	713	227	1.87	72	-	-	-	-	502	173	1.52	-	-	-	-	-	-

***PG153709041A* - Rise Range: 45° -75°**

Unit	T1 - 1st Stage Heating Speed				T2 - 2nd Stage Heating Speed				T3 Cooling Spped			T4 Cooling Speed			T5 - Cooling Speed		
Static	CFM	WATTS	AMPS	RISE	CFM	WATTS	AMPS	RISE	CFM	WATTS	AMPS	CFM	WATTS	AMPS	CFM	WATTS	AMPS
0.1	1,065	168	1.42	49	1,255	257	2.10	55	1,148	170	1.55	1,148	170	1.55	1,418	360	2.92
0.2	1,003	174	1.48	52	1,217	269	2.19	57	1,092	176	1.66	1,092	176	1.66	1,375	371	3.00
0.3	961	185	1.55	54	1,165	274	2.21	59	1,044	184	1.72	1,044	184	1.72	1,316	376	3.05
0.4	913	195	1.62	57	1,113	285	2.30	62	994	194	1.77	994	194	1.77	1,279	387	3.13
0.5	855	202	1.69	60	1,073	296	2.36	64	929	210	1.89	929	210	1.89	1,245	392	3.19
0.6	814	212	1.76	63	1,018	302	2.41	68	811	222	1.99	811	222	1.99	1,193	400	3.22
0.7	749	218	1.82	69	991	313	2.48	70	763	224	2.03	763	224	2.03	-	-	-
0.8	713	227	1.87	72	-	-	-	-	715	236	2.07	715	236	2.07	-	-	-

X = Outside of Temperature Rise Range - Not Recommended.

NOTE: *The shaded area indicates ranges in excess of maximum external static pressure allowable when heating. For satisfactory operation, external static pressure should not exceed 0.5" w.c.*

BLOWER PERFORMANCE DATA *PG15[42-60]***41A*

***PG154211541A* - Rise Range: 45° -75°**

Unit	T1 - 1st Stage Heating Speed				T2 - 2nd Stage Heating Speed				T3 Cooling Spped			T4 Cooling Speed			T5 - Cooling Speed		
Static	CFM	WATTS	AMPS	RISE	CFM	WATTS	AMPS	RISE	CFM	WATTS	AMPS	CFM	WATTS	AMPS	CFM	WATTS	AMPS
0.1	1,065	168	1.42	49	1,255	257	2.10	55	1,335	260	1.01	1,468	337	1.28	1,619	431	1.64
0.2	1,003	174	1.48	52	1,217	269	2.19	57	1,274	268	1.04	1,412	349	1.33	1,560	445	1.69
0.3	961	185	1.55	54	1,165	274	2.21	59	1,204	281	1.10	1,346	359	1.37	1,504	456	1.71
0.4	913	195	1.62	57	1,113	285	2.30	62	1,136	287	1.11	1,275	363	1.40	1,441	463	1.76
0.5	855	202	1.69	60	1,073	296	2.36	64	1,069	300	1.15	1,221	370	1.44	1,380	475	1.80
0.6	814	212	1.76	63	1,018	302	2.41	68	1,009	312	1.19	1,170	386	1.47	1,325	489	1.84
0.7	749	218	1.82	69	991	313	2.48	70	946	319	1.22	1,105	397	1.52	1,268	495	1.88
0.8	713	227	1.87	72	-	-	-	-	886	331	1.27	1,042	406	1.54	1,198	502	1.90

***PG154811541A* - Rise Range: 45° - 75°**

Unit	T1 - 1st Stage Heating Speed				T2 - 2nd Stage Heating Speed				T3 - 1st Stage Cooling			T4 - 2nd Stage Cooling			T5 - Cooling Spped		
Static	CFM	WATTS	AMPS	RISE	CFM	WATTS	AMPS	RISE	CFM	WATTS	AMPS	CFM	WATTS	AMPS	CFM	WATTS	AMPS
0.1	1140	178	1.52	56	1417	305	2.46	61	1,140	178	1.52	1,616	436	3.34	1,696	503	4.04
0.2	1090	188	1.57	59	1374	318	2.56	63	1,090	188	1.57	1,573	449	3.46	1,650	517	4.15
0.3	1038	199	1.67	62	1322	327	2.68	65	1,038	199	1.67	1,527	462	3.59	1,608	530	4.25
0.4	980	212	1.76	65	1273	338	2.72	68	980	212	1.76	1,485	474	3.69	1,566	543	4.39
0.5	914	220	1.79	70	1224	352	2.82	70	914	220	1.79	1,443	489	3.80	1,523	556	4.43
0.6	852	231	1.9	75	1176	365	2.88	73	852	231	1.90	1,399	502	3.86	1,480	569	4.55
0.7	806	242	1.97	X	1121	379	2.93	X	806	242	1.97	1,356	513	3.99	1,441	580	4.65
0.8	741	248	2.01	X	1068	391	2.98	X	741	248	2.01	1,307	525	4.05	-	-	-

***PG154911541A* - Rise Range: 45° - 75°**

Unit	T1 - 1st Stage Heating Speed				T2 - 2nd Stage Heating Speed				T3 - 1st Stage Cooling			T4 - 2nd Stage Cooling			T5 - Cooling Speed		
Static	CFM	WATTS	AMPS	RISE	CFM	WATTS	AMPS	RISE	CFM	WATTS	AMPS	CFM	WATTS	AMPS	CFM	WATTS	AMPS
0.1	1140	178	1.52	56	1417	305	2.46	61	1140	178	1.52	1,468	337	1.28	1,696	503	4.04
0.2	1090	188	1.57	59	1374	318	2.56	63	1090	188	1.57	1,412	349	1.33	1,650	517	4.15
0.3	1038	199	1.67	62	1322	327	2.68	65	1038	199	1.67	1,346	359	1.37	1,608	530	4.25
0.4	980	212	1.76	65	1273	338	2.72	68	980	212	1.76	1,275	363	1.40	1,566	543	4.39
0.5	914	220	1.79	70	1224	352	2.82	70	914	220	1.79	1,221	370	1.44	1,523	556	4.43
0.6	852	231	1.9	75	1176	365	2.88	73	852	231	1.9	1,170	386	1.47	1,480	569	4.55
0.7	806	242	1.97	X	1121	379	2.93	X	806	242	1.97	1,105	397	1.52	1,441	580	4.65
0.8	741	248	2.01	X	1068	391	2.98	X	741	248	2.01	1,042	406	1.54	-	-	-

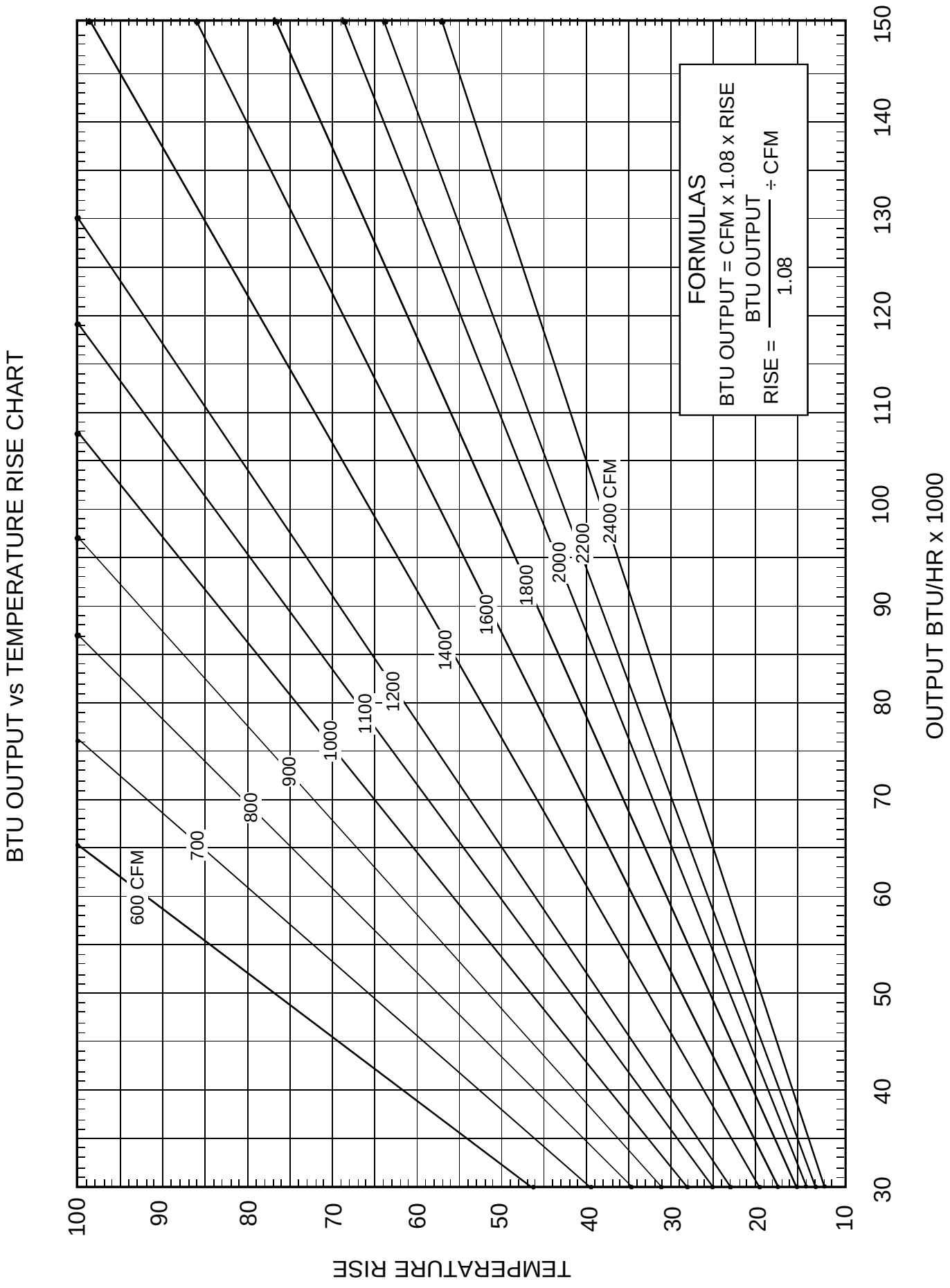
***PG156014041A* - Rise Range: 45° - 75° High 30° - 60° Low**

Unit	T1 - 1st Stage Heating Speed				T2 - 2nd Stage Heating Speed				T3 - 1st Stage Cooling			T4 - 2nd Stage Cooling			T5 - Cooling Speed		
Static	CFM	WATTS	AMPS	RISE	CFM	WATTS	AMPS	RISE	CFM	WATTS	AMPS	CFM	WATTS	AMPS	CFM	WATTS	AMPS
0.1	1773	488	3.64	43	1773	488	3.64	58	1,379	246	1.95	1,919	700	4.81	2,115	783	5.54
0.2	1713	501	3.73	45	1713	501	3.73	61	1,322	258	2.03	1,862	714	4.94	2,078	787	5.57
0.3	1693	509	3.78	45	1693	509	3.78	61	1,268	266	2.10	1,810	720	5.01	2,009	802	5.67
0.4	1653	518	3.84	46	1653	518	3.84	63	1,187	280	2.19	1,755	734	5.07	1,953	813	5.87
0.5	1597	529	3.91	48	1597	529	3.91	65	1,133	287	2.23	1,705	743	5.09	1,933	805	5.77
0.6	1534	541	3.99	50	1534	541	3.99	68	1,068	294	2.29	1,647	748	5.16	-	-	-
0.7	1485	552	4.09	52	1485	552	4.09	70	1,026	307	2.38	-	-	-	-	-	-
0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

X = Outside of Temperature Rise Range - Not Recommended.

NOTE: *The shaded area indicates ranges in excess of maximum external static pressure allowable when heating. For satisfactory operation, external static pressure should not exceed 0.5" w.c.*

BLOWER PERFORMANCE DATA



MODEL: *PG1524*41A***

EXPANDED PERFORMANCE DATA

COOLING OPERATION

Design Subcooling, 10 °F ± 3 @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 10 °F ± 3 @ the compressor suction access fitting connection.

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	951	MBh	22.7	23.6	25.8	-	22.2	23.0	25.2	-	21.7	22.5	24.6	-	21.1	21.9	24.0	-	20.1	20.8	22.8	-	18.6	19.3	21.1	-
		S/T	0.78	0.65	0.45	-	0.81	0.68	0.47	-	0.83	0.70	0.48	-	0.86	0.72	0.50	-	0.89	0.74	0.52	-	0.90	0.75	0.52	-
		Delta T	17	15	11	-	17	15	11	-	17	15	11	-	18	15	12	-	17	15	11	-	16	14	11	-
		KW	1.51	1.54	1.59	-	1.62	1.66	1.71	-	1.72	1.76	1.82	-	1.82	1.86	1.92	-	1.89	1.93	2.00	-	1.96	2.00	2.07	-
		AMPS	7.0	7.2	7.4	-	7.5	7.7	7.9	-	8.0	8.2	8.4	-	8.5	8.7	8.9	-	9.0	9.2	9.4	-	9.4	9.6	9.9	-
		HI PR	227	244	257	-	254	274	289	-	289	311	328	-	329	354	374	-	370	399	421	-	409	440	465	-
		LO PR	109	116	127	-	115	123	134	-	120	128	139	-	126	134	146	-	132	140	153	-	137	145	159	-
	845	MBh	22.1	22.9	25.1	-	21.6	22.3	24.5	-	21.0	21.8	23.9	-	20.5	21.3	23.3	-	19.5	20.2	22.2	-	18.1	18.7	20.5	-
		S/T	0.75	0.62	0.43	-	0.77	0.65	0.45	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.85	0.71	0.49	-	0.86	0.72	0.50	-
		Delta T	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
		KW	1.49	1.53	1.57	-	1.61	1.64	1.70	-	1.71	1.75	1.80	-	1.80	1.84	1.90	-	1.88	1.92	1.98	-	1.94	1.99	2.05	-
		AMPS	7.0	7.1	7.3	-	7.4	7.6	7.8	-	8.0	8.1	8.4	-	8.4	8.6	8.9	-	8.9	9.1	9.3	-	9.4	9.6	9.8	-
		HI PR	224	241	255	-	252	271	286	-	286	308	325	-	326	351	370	-	367	395	417	-	405	436	460	-
		LO PR	108	115	126	-	114	122	133	-	119	126	138	-	125	133	145	-	131	139	152	-	135	144	157	-
	739	MBh	20.4	21.1	23.1	-	19.9	20.6	22.6	-	19.4	20.1	22.1	-	19.0	19.6	21.5	-	18.0	18.7	20.4	-	16.7	17.3	18.9	-
		S/T	0.72	0.60	0.42	-	0.75	0.62	0.43	-	0.77	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.69	0.47	-	0.83	0.69	0.48	-
		Delta T	18	16	12	-	18	16	12	-	18	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-
		KW	1.46	1.49	1.54	-	1.57	1.60	1.66	-	1.67	1.70	1.76	-	1.76	1.79	1.85	-	1.83	1.87	1.93	-	1.89	1.94	2.00	-
		AMPS	6.8	7.0	7.1	-	7.3	7.4	7.6	-	7.8	8.0	8.2	-	8.2	8.4	8.6	-	8.7	8.9	9.1	-	9.1	9.3	9.6	-
		HI PR	218	234	247	-	244	263	277	-	278	299	315	-	316	340	359	-	356	383	404	-	393	423	447	-
		LO PR	105	112	122	-	111	118	129	-	115	123	134	-	121	129	140	-	127	135	147	-	131	139	152	-
75	951	MBh	23.1	23.8	25.8	27.7	22.6	23.3	25.2	27.0	22.0	22.7	24.6	26.4	21.5	**22.1**	24.0	25.7	20.4	21.0	22.8	24.4	18.9	19.5	21.1	22.6
		S/T	0.89	0.80	0.60	0.39	0.92	0.83	0.62	0.40	0.95	0.85	0.64	0.41	0.98	**0.87**	0.66	0.43	1.00	0.91	0.69	0.44	1.00	0.91	0.69	0.45
		Delta T	20	18	15	10	20	19	15	10	20	19	15	11	20	**19**	15	11	20	18	15	10	18	17	14	10
		KW	1.52	1.55	1.60	1.65	1.64	1.67	1.72	1.78	1.74	1.78	1.84	1.90	1.83	**1.87**	1.93	2.00	1.91	1.95	2.02	2.08	1.98	2.02	2.09	2.16
		AMPS	7.1	7.2	7.4	7.6	7.6	7.7	7.9	8.2	8.1	8.3	8.5	8.8	8.6	**8.7**	9.0	9.3	9.0	9.2	9.5	9.8	9.5	9.7	10.0	10.3
		HI PR	229	246	260	271	257	276	292	304	292	314	332	346	333	**358**	378	394	374	403	425	443	413	445	470	490
		LO PR	110	117	128	136	117	124	135	144	121	129	141	150	127	**135**	148	157	133	142	155	165	138	147	160	171
	845	MBh	22.4	23.1	25.0	26.8	21.9	22.6	24.4	26.2	21.4	22.0	23.9	25.6	20.9	**21.5**	23.3	25.0	19.8	20.4	22.1	23.7	18.4	18.9	20.5	22.0
		S/T	0.85	0.76	0.57	0.37	0.88	0.79	0.60	0.38	0.90	0.81	0.61	0.39	0.93	**0.83**	0.63	0.41	0.97	0.86	0.65	0.42	0.98	0.87	0.66	0.42
		Delta T	21	19	16	11	21	19	16	11	21	19	16	11	21	**19**	16	11	21	19	16	11	19	18	15	10
		KW	1.51	1.54	1.59	1.64	1.62	1.66	1.71	1.77	1.72	1.76	1.82	1.88	1.82	**1.86**	1.92	1.98	1.89	1.93	2.00	2.07	1.96	2.00	2.07	2.14
		AMPS	7.0	7.2	7.4	7.6	7.5	7.7	7.9	8.1	8.0	8.2	8.4	8.7	8.5	**8.7**	8.9	9.2	9.0	9.2	9.4	9.7	9.4	9.6	9.9	10.2
		HI PR	227	244	257	269	254	274	289	301	289	311	329	343	329	**354**	374	390	370	399	421	439	409	441	465	485
		LO PR	109	116	127	135	115	123	134	143	120	128	139	148	126	**134**	146	156	132	140	153	163	137	145	159	169
	739	MBh	20.7	21.3	23.1	24.8	20.2	20.8	22.6	24.2	19.8	20.3	22.0	23.6	19.3	**19.8**	21.5	23.1	18.3	18.9	20.4	21.9	17.0	17.5	18.9	20.3
		S/T	0.82	0.73	0.55	0.36	0.85	0.76	0.57	0.37	0.87	0.78	0.59	0.38	0.90	**0.80**	0.61	0.39	0.93	0.83	0.63	0.41	0.94	0.84	0.64	0.41
		Delta T	21	19	16	11	21	20	16	11	21	20	16	11	22	**20**	16	11	21	20	16	11	20	18	15	10
		KW	1.47	1.50	1.55	1.60	1.58	1.62	1.67	1.72	1.68	1.72	1.77	1.83	1.77	**1.81**	1.87	1.93	1.84	1.89	1.95	2.01	1.91	1.95	2.02	2.09
		AMPS	6.9	7.0	7.2	7.4	7.3	7.5	7.7	7.9	7.9	8.0	8.2	8.5	8.3	**8.5**	8.7	9.0	8.8	8.9	9.2	9.5	9.2	9.4	9.7	10.0
		HI PR	220	237	250	260	247	265	280	292	280	302	319	332	319	**344**	363	379	359	387	408	426	397	427	451	471
		LO PR	106	113	123	131	112	119	130	138	116	124	135	144	122	**130**	142	151	128	136	149	158	132	141	154	164

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ACCA (TVA) conditions

KW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

AMPS: Unit amps (comp.+ evaporator + condenser fan motors)

*PG1524***41A*

MODEL: *PG1524*41A***

EXPANDED PERFORMANCE DATA

COOLING OPERATION

Design Subcooling, 10 °F ± 3 @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 10 °F ± 3 @ the compressor suction access fitting connection.

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	951	MBh	23.5	24.0	25.7	27.5	23.0	23.5	25.1	26.8	22.4	22.9	24.5	26.2	21.9	22.4	23.9	25.5	20.8	21.2	22.7	24.3	19.3	19.7	21.0	22.5
		S/T	1.00	0.92	0.75	0.56	1.00	0.95	0.77	0.58	1.00	1.00	0.79	0.59	1.00	1.00	0.82	0.61	1.00	1.00	0.85	0.63	1.00	1.00	0.86	0.64
		Delta T	23	21	19	15	22	22	19	15	22	22	19	15	21	22	19	15	20	21	19	15	19	19	17	14
		KW	1.53	1.56	1.61	1.66	1.65	1.68	1.74	1.80	1.75	1.79	1.85	1.91	1.85	1.89	1.95	2.01	1.92	1.97	2.03	2.10	1.99	2.04	2.11	2.18
		AMPS	7.1	7.3	7.5	7.7	7.6	7.8	8.0	8.2	8.2	8.3	8.6	8.8	8.6	8.8	9.1	9.4	9.1	9.3	9.6	9.9	9.6	9.8	10.1	10.4
		HI PR	231	249	263	274	259	279	295	307	295	317	335	350	336	362	382	398	378	407	430	448	418	449	475	495
		LO PR	111	119	129	138	118	125	137	146	122	130	142	151	129	137	149	159	135	143	156	167	139	148	162	172
	845	MBh	22.8	23.3	24.9	26.7	22.3	22.8	24.4	26.0	21.8	22.3	23.8	25.4	21.3	21.7	**23.2**	24.8	20.2	20.6	22.0	23.6	18.7	19.1	20.4	21.8
		S/T	0.93	0.87	0.71	0.53	0.97	0.91	0.74	0.55	0.99	0.93	0.76	0.56	1.00	0.96	**0.78**	0.58	1.00	0.99	0.81	0.61	1.00	1.00	0.82	0.61
		Delta T	23	22	19	15	23	22	20	16	23	22	20	16	23	23	**20**	16	22	22	19	16	20	21	18	14
		KW	1.52	1.55	1.60	1.65	1.64	1.67	1.73	1.78	1.74	1.78	1.84	1.90	1.83	1.87	**1.93**	2.00	1.91	1.95	2.02	2.08	1.98	2.02	2.09	2.16
		AMPS	7.1	7.2	7.4	7.7	7.6	7.7	7.9	8.2	8.1	8.3	8.5	8.8	8.6	8.8	**9.0**	9.3	9.0	9.2	9.5	9.8	9.5	9.7	10.0	10.3
		HI PR	229	246	260	271	257	276	292	304	292	314	332	346	333	358	**378**	394	374	403	425	444	413	445	470	490
		LO PR	110	117	128	136	117	124	135	144	121	129	141	150	127	135	**148**	157	133	142	155	165	138	147	160	171
	739	MBh	21.1	21.5	23.0	24.6	20.6	21.0	22.5	24.0	20.1	20.5	21.9	23.5	19.6	20.0	21.4	22.9	18.6	19.0	20.3	21.7	17.3	17.6	18.8	20.1
		S/T	0.90	0.84	0.69	0.51	0.93	0.87	0.71	0.53	0.95	0.90	0.73	0.54	0.99	0.92	0.75	0.56	1.02	0.96	0.78	0.58	1.03	0.97	0.79	0.59
		Delta T	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	21	18	15
		KW	1.48	1.51	1.56	1.61	1.60	1.63	1.68	1.74	1.70	1.73	1.79	1.85	1.78	1.82	1.88	1.95	1.86	1.90	1.96	2.03	1.93	1.97	2.03	2.10
		AMPS	6.9	7.1	7.3	7.5	7.4	7.5	7.7	8.0	7.9	8.1	8.3	8.6	8.4	8.5	8.8	9.1	8.8	9.0	9.3	9.6	9.3	9.5	9.7	10.1
		HI PR	222	239	252	263	249	268	283	295	283	305	322	336	323	347	367	382	363	391	412	430	401	432	456	475
		LO PR	107	114	124	132	113	120	131	140	118	125	136	145	123	131	143	153	129	138	150	160	134	142	155	165
85	951	MBh	23.9	24.4	25.6	27.3	23.4	23.8	25.0	26.6	22.8	23.3	24.4	26.0	22.3	22.7	23.8	25.4	21.2	21.6	22.6	24.1	19.6	20.0	20.9	22.3
		S/T	1.00	0.99	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.95	0.77	1.00	1.00	0.98	0.79	1.00	1.00	1.00	0.82	1.00	1.00	1.00	0.83
		Delta T	23	23	22	19	23	23	22	19	22	23	22	19	22	22	22	19	20	21	22	19	19	19	20	18
		KW	1.54	1.58	1.63	1.68	1.66	1.70	1.75	1.81	1.77	1.81	1.87	1.93	1.86	1.90	1.97	2.03	1.94	1.98	2.05	2.12	2.01	2.05	2.12	2.20
		AMPS	7.2	7.3	7.5	7.8	7.7	7.8	8.0	8.3	8.2	8.4	8.6	8.9	8.7	8.9	9.1	9.4	9.2	9.4	9.7	10.0	9.7	9.9	10.2	10.5
		HI PR	233	251	265	277	262	282	298	310	298	321	339	353	339	365	386	402	382	411	434	452	422	454	479	500
		LO PR	113	120	131	139	119	126	138	147	124	131	144	153	130	138	151	161	136	145	158	168	141	150	163	174
	845	MBh	23.2	23.7	24.8	26.5	22.7	23.1	24.2	25.9	22.2	22.6	23.7	25.2	21.6	22.0	23.1	24.6	20.5	20.9	21.9	23.4	19.0	19.4	20.3	21.7
		S/T	0.98	0.94	0.85	0.69	1.00	0.98	0.88	0.72	1.00	1.00	0.90	0.73	1.00	1.00	0.93	0.76	1.00	1.00	0.97	0.79	1.00	1.00	0.98	0.79
		Delta T	25	24	23	20	25	25	23	20	24	25	23	20	24	24	23	20	22	23	23	20	21	21	22	19
		KW	1.53	1.56	1.61	1.66	1.65	1.68	1.74	1.80	1.75	1.79	1.85	1.91	1.85	1.89	1.95	2.01	1.92	1.97	2.03	2.10	1.99	2.04	2.11	2.18
		AMPS	7.1	7.3	7.5	7.7	7.6	7.8	8.0	8.2	8.2	8.3	8.6	8.8	8.6	8.8	9.1	9.4	9.1	9.3	9.6	9.9	9.6	9.8	10.1	10.4
		HI PR	231	249	263	274	259	279	295	307	295	317	335	350	336	362	382	398	378	407	430	448	418	449	475	495
		LO PR	111	119	129	138	118	125	137	146	122	130	142	151	129	137	149	159	135	143	156	167	139	148	162	172
	739	MBh	21.5	21.9	22.9	24.4	21.0	21.4	22.4	23.9	20.5	20.9	21.8	23.3	20.0	20.3	21.3	22.7	19.0	19.3	20.2	21.6	17.6	17.9	18.7	20.0
		S/T	0.94	0.91	0.82	0.67	0.98	0.94	0.85	0.69	1.00	0.97	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.93	0.76	1.00	1.00	0.94	0.76
		Delta T	25	25	23	20	25	25	24	20	25	25	24	20	25	25	24	21	24	24	23	20	22	22	22	19
		KW	1.49	1.53	1.57	1.62	1.61	1.64	1.70	1.75	1.71	1.75	1.80	1.86	1.80	1.84	1.90	1.96	1.88	1.92	1.98	2.05	1.94	1.99	2.05	2.12
		AMPS	7.0	7.1	7.3	7.5	7.4	7.6	7.8	8.0	8.0	8.1	8.4	8.6	8.4	8.6	8.9	9.1	8.9	9.1	9.3	9.7	9.3	9.5	9.8	10.2
		HI PR	224	241	255	266	252	271	286	298	286	308	325	339	326	351	370	386	367	395	417	435	405	436	460	480
		LO PR	108	115	126	134	114	121	133	141	119	126	138	147	125	133	145	154	131	139	152	162	135	144	157	167

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is AHRI Rating Conditions

KW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

AMPS: Unit amps (comp.+ evaporator + condenser fan motors)

MODEL: *PG153009041A*

EXPANDED PERFORMANCE DATA

COOLING OPERATION

Design Subcooling, 7 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 5°F @ the compressor suction access fitting connection.

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1125	MBh	28.9	30.0	32.8	-	28.2	29.3	32.1	-	27.6	28.6	31.3	-	26.9	27.9	30.5	-	25.5	26.5	29.0	-	23.7	24.5	26.9	-
		S/T	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.81	0.68	0.47	-	0.84	0.70	0.49	-	0.87	0.73	0.50	-	0.88	0.73	0.51	-
		Delta T	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
		KW	1.85	1.89	1.94	-	1.99	2.03	2.09	-	2.11	2.16	2.23	-	2.22	2.27	2.34	-	2.31	2.37	2.44	-	2.39	2.45	2.53	-
		AMPS	9.0	9.1	9.4	-	9.5	9.7	10.0	-	10.2	10.4	10.7	-	10.7	11.0	11.2	-	11.3	11.5	11.8	-	11.8	12.1	12.4	-
		HI PR	226	243	256	-	253	273	288	-	288	310	327	-	328	353	373	-	369	397	419	-	408	439	463	-
		LO PR	105	112	122	-	111	118	129	-	116	123	134	-	122	129	141	-	127	136	148	-	132	140	153	-
	1000	MBh	28.1	29.1	31.9	-	27.4	28.4	31.1	-	26.8	27.7	30.4	-	26.1	27.1	29.6	-	24.8	25.7	28.2	-	23.0	23.8	26.1	-
		S/T	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.84	0.70	0.48	-
		Delta T	19	16	12	-	19	16	13	-	19	17	13	-	19	17	13	-	19	16	12	-	18	15	12	-
		KW	1.83	1.87	1.93	-	1.97	2.01	2.08	-	2.09	2.14	2.21	-	2.20	2.25	2.32	-	2.30	2.35	2.42	-	2.37	2.43	2.51	-
		AMPS	8.9	9.1	9.3	-	9.5	9.6	9.9	-	10.1	10.3	10.6	-	10.7	10.9	11.2	-	11.2	11.4	11.8	-	11.8	12.0	12.3	-
		HI PR	223	240	254	-	251	270	285	-	285	307	324	-	325	350	369	-	365	393	415	-	404	434	459	-
		LO PR	104	111	121	-	110	117	128	-	115	122	133	-	120	128	140	-	126	134	147	-	130	139	152	-
	875	MBh	25.9	26.8	29.4	-	25.3	26.2	28.7	-	24.7	25.6	28.0	-	24.1	25.0	27.4	-	22.9	23.7	26.0	-	21.2	22.0	24.1	-
		S/T	0.70	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.62	0.43	-	0.77	0.64	0.45	-	0.80	0.67	0.46	-	0.81	0.67	0.47	-
		Delta T	19	17	13	-	19	17	13	-	19	17	13	-	20	17	13	-	19	17	13	-	18	16	12	-
		KW	1.79	1.83	1.88	-	1.92	1.97	2.03	-	2.04	2.09	2.15	-	2.15	2.20	2.27	-	2.24	2.29	2.36	-	2.32	2.37	2.44	-
		AMPS	8.7	8.9	9.1	-	9.3	9.4	9.7	-	9.9	10.1	10.3	-	10.4	10.6	10.9	-	11.0	11.2	11.5	-	11.5	11.7	12.0	-
		HI PR	217	233	246	-	243	262	276	-	277	298	314	-	315	339	358	-	354	381	403	-	392	421	445	-
		LO PR	101	108	118	-	107	114	124	-	111	118	129	-	117	124	136	-	122	130	142	-	127	135	147	-
75	1125	MBh	29.4	30.3	32.8	35.2	28.7	29.6	32.0	34.3	28.0	28.9	31.2	33.5	27.3	**28.2**	30.5	32.7	26.0	26.7	29.0	31.1	24.1	24.8	26.8	28.8
		S/T	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.92	0.83	0.63	0.40	0.95	**0.85**	0.65	0.42	0.99	0.89	0.67	0.43	1.00	0.89	0.68	0.43
		Delta T	21	19	16	11	21	19	16	11	21	19	16	11	21	**20**	16	11	21	19	16	11	20	18	15	10
		KW	1.86	1.90	1.96	2.02	2.00	2.05	2.11	2.18	2.13	2.18	2.25	2.32	2.24	**2.29**	2.36	2.44	2.33	2.39	2.46	2.55	2.41	2.47	2.55	2.64
		AMPS	9.0	9.2	9.4	9.7	9.6	9.8	10.0	10.3	10.3	10.5	10.7	11.1	10.8	**11.0**	11.3	11.7	11.4	11.6	11.9	12.3	11.9	12.2	12.5	12.9
		HI PR	228	245	259	270	256	275	291	303	291	313	331	345	331	**357**	377	393	373	401	424	442	412	443	468	488
		LO PR	106	113	124	132	112	120	131	139	117	124	136	145	123	**131**	143	152	129	137	149	159	133	142	155	165
	1000	MBh	28.5	29.4	31.8	34.1	27.9	28.7	31.1	33.3	27.2	28.0	30.3	32.6	26.6	**27.3**	29.6	31.8	25.2	26.0	28.1	30.2	23.4	24.1	26.0	27.9
		S/T	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.88	0.79	0.60	0.38	0.91	**0.81**	0.62	0.40	0.94	0.84	0.64	0.41	0.95	0.85	0.64	0.41
		Delta T	22	20	16	11	22	20	17	11	22	20	17	11	22	**20**	17	12	22	20	17	11	20	19	15	11
		KW	1.85	1.89	1.95	2.01	1.99	2.03	2.10	2.16	2.11	2.16	2.23	2.30	2.22	**2.27**	2.34	2.42	2.31	2.37	2.44	2.53	2.39	2.45	2.53	2.61
		AMPS	9.0	9.1	9.4	9.6	9.5	9.7	10.0	10.3	10.2	10.4	10.7	11.0	10.7	**11.0**	11.2	11.6	11.3	11.5	11.8	12.2	11.8	12.1	12.4	12.8
		HI PR	226	243	257	268	253	273	288	300	288	310	327	341	328	**353**	373	389	369	397	419	438	408	439	463	483
		LO PR	105	112	122	130	111	118	129	138	116	123	134	143	122	**129**	141	150	127	136	148	158	132	140	153	163
	875	MBh	26.3	27.1	29.4	31.5	25.7	26.5	28.7	30.8	25.1	25.9	28.0	30.0	24.5	**25.2**	27.3	29.3	23.3	24.0	25.9	27.8	21.6	22.2	24.0	25.8
		S/T	0.80	0.71	0.54	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.88	**0.78**	0.59	0.38	0.91	0.81	0.62	0.40	0.92	0.82	0.62	0.40
		Delta T	22	20	17	12	22	21	17	12	22	21	17	12	23	**21**	17	12	22	21	17	12	21	19	16	11
		KW	1.80	1.84	1.90	1.96	1.94	1.98	2.04	2.11	2.06	2.11	2.17	2.24	2.17	**2.21**	2.29	2.36	2.26	2.31	2.38	2.46	2.34	2.39	2.47	2.55
		AMPS	8.8	9.0	9.2	9.4	9.3	9.5	9.8	10.0	10.0	10.2	10.4	10.7	10.5	**10.7**	11.0	11.3	11.0	11.3	11.6	11.9	11.6	11.8	12.1	12.5
		HI PR	219	236	249	260	246	264	279	291	279	301	318	331	318	**343**	362	377	358	385	407	424	396	426	450	469
		LO PR	102	109	119	126	108	115	125	134	112	119	130	139	118	**125**	137	146	124	132	144	153	128	136	148	158

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ACCA (TVA) conditions

KW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

AMPS: Unit amps (comp.+ evaporator + condenser fan motors)

MODEL: *PG153009041A*

EXPANDED PERFORMANCE DATA

COOLING OPERATION

Design Subcooling, 7 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 5°F @ the compressor suction access fitting connection.

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1125	MBh	29.9	30.6	32.7	34.9	29.2	29.9	31.9	34.1	28.5	29.2	31.1	33.3	27.8	28.4	30.4	32.5	26.4	27.0	28.9	30.9	24.5	25.0	26.7	28.6
		S/T	0.95	0.89	0.73	0.54	1.00	0.93	0.75	0.56	1.00	0.95	0.77	0.58	1.00	1.00	0.80	0.60	1.00	1.00	0.83	0.62	1.00	1.00	0.84	0.62
		Delta T	23	22	19	16	24	23	20	16	23	23	20	16	23	23	20	16	22	22	20	16	20	20	18	15
		KW	1.88	1.92	1.98	2.04	2.02	2.06	2.13	2.20	2.15	2.19	2.26	2.34	2.26	2.31	2.38	2.46	2.35	2.41	2.48	2.57	2.44	2.49	2.57	2.66
		AMPS	9.1	9.3	9.5	9.8	9.7	9.9	10.1	10.4	10.3	10.5	10.8	11.1	10.9	11.1	11.4	11.8	11.5	11.7	12.0	12.4	12.0	12.3	12.6	13.0
		HI PR	230	248	262	273	258	278	294	306	294	316	334	348	335	360	380	397	377	405	428	446	416	448	473	493
		LO PR	108	114	125	133	114	121	132	141	118	126	137	146	124	132	144	153	130	138	151	161	134	143	156	166
	1000	MBh	29.0	29.7	31.7	33.9	28.4	29.0	31.0	33.1	27.7	28.3	30.2	32.3	27.0	27.6	**29.5**	31.5	25.7	26.2	28.0	30.0	23.8	24.3	26.0	27.8
		S/T	0.91	0.85	0.69	0.52	0.94	0.88	0.72	0.54	0.97	0.91	0.74	0.55	1.00	0.94	**0.76**	0.57	1.00	0.97	0.79	0.59	1.00	0.98	0.80	0.60
		Delta T	24	23	20	16	25	24	20	16	25	24	21	16	25	24	**21**	16	24	23	20	16	22	22	19	15
		KW	1.86	1.90	1.96	2.02	2.00	2.05	2.11	2.18	2.13	2.18	2.25	2.32	2.24	2.29	**2.36**	2.44	2.33	2.39	2.46	2.55	2.42	2.47	2.55	2.64
		AMPS	9.0	9.2	9.4	9.7	9.6	9.8	10.0	10.3	10.3	10.5	10.7	11.1	10.8	11.0	**11.3**	11.7	11.4	11.6	11.9	12.3	11.9	12.2	12.5	12.9
		HI PR	228	245	259	270	256	275	291	303	291	313	331	345	331	357	**377**	393	373	401	424	442	412	443	468	488
		LO PR	106	113	124	132	113	120	131	139	117	124	136	145	123	131	**143**	152	129	137	149	159	133	142	155	165
	875	MBh	26.8	27.4	29.3	31.3	26.2	26.8	28.6	30.6	25.6	26.1	27.9	29.8	24.9	25.5	27.2	29.1	23.7	24.2	25.9	27.7	21.9	22.4	24.0	25.6
		S/T	0.88	0.82	0.67	0.50	0.91	0.85	0.69	0.52	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.94	0.76	0.57	1.01	0.94	0.77	0.57
		Delta T	25	24	21	16	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	23	22	19	15
		KW	1.82	1.86	1.91	1.97	1.96	2.00	2.06	2.13	2.08	2.12	2.19	2.26	2.18	2.23	2.31	2.38	2.28	2.33	2.40	2.48	2.35	2.41	2.49	2.57
		AMPS	8.9	9.0	9.2	9.5	9.4	9.6	9.8	10.1	10.0	10.2	10.5	10.8	10.6	10.8	11.1	11.4	11.1	11.3	11.7	12.0	11.7	11.9	12.2	12.6
		HI PR	221	238	251	262	248	267	282	294	282	304	321	335	322	346	365	381	362	389	411	429	400	430	454	474
		LO PR	103	110	120	128	109	116	127	135	113	121	132	140	119	127	138	147	125	133	145	154	129	137	150	160

NOTE: Shaded area reflects AHRI rating conditions

85	1125	MBh	30.4	31.0	32.5	34.7	29.7	30.3	31.7	33.9	29.0	29.6	31.0	33.1	28.3	28.9	30.2	32.3	26.9	27.4	28.7	30.6	24.9	25.4	26.6	28.4
		S/T	1.00	0.96	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.92	0.75	1.00	1.00	0.95	0.77	1.00	1.00	0.99	0.80	1.00	1.00	1.00	0.81
		Delta T	25	24	23	20	24	25	23	20	24	24	23	20	23	24	24	20	22	22	23	20	20	21	22	19
		KW	1.89	1.93	1.99	2.06	2.04	2.08	2.15	2.22	2.16	2.21	2.28	2.36	2.28	2.33	2.40	2.48	2.37	2.43	2.51	2.59	2.46	2.51	2.59	2.68
		AMPS	9.2	9.3	9.6	9.9	9.7	9.9	10.2	10.5	10.4	10.6	10.9	11.2	11.0	11.2	11.5	11.9	11.6	11.8	12.1	12.5	12.1	12.4	12.7	13.1
		HI PR	233	250	264	276	261	281	297	309	297	319	337	352	338	364	384	401	380	409	432	451	420	452	478	498
		LO PR	109	116	126	134	115	122	133	142	119	127	139	148	125	133	146	155	131	140	153	162	136	144	158	168
	1000	MBh	29.6	30.1	31.6	33.7	28.9	29.4	30.8	32.9	28.2	28.7	30.1	32.1	27.5	28.0	29.4	31.3	26.1	26.6	27.9	29.7	24.2	24.7	25.8	27.6
		S/T	0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	1.00	0.98	0.88	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.95	0.77	1.00	1.00	0.95	0.77
		Delta T	26	25	24	21	26	26	24	21	26	26	24	21	25	26	25	21	24	24	24	21	22	23	23	20
		KW	1.88	1.92	1.98	2.04	2.02	2.06	2.13	2.20	2.15	2.19	2.26	2.34	2.26	2.31	2.38	2.46	2.35	2.41	2.48	2.57	2.44	2.49	2.57	2.66
		AMPS	9.1	9.3	9.5	9.8	9.7	9.9	10.1	10.4	10.3	10.5	10.8	11.1	10.9	11.1	11.4	11.8	11.5	11.7	12.0	12.4	12.0	12.3	12.6	13.0
		HI PR	230	248	262	273	258	278	294	306	294	316	334	348	335	360	380	397	377	405	428	446	416	448	473	493
		LO PR	108	114	125	133	114	121	132	141	118	126	137	146	124	132	144	153	130	138	151	161	134	143	156	166
	875	MBh	27.3	27.8	29.1	31.1	26.6	27.2	28.4	30.3	26.0	26.5	27.8	29.6	25.4	25.9	27.1	28.9	24.1	24.6	25.7	27.5	22.3	22.8	23.8	25.4
		S/T	0.92	0.89	0.80	0.65	0.95	0.92	0.83	0.67	0.98	0.94	0.85	0.69	1.00	0.97	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.92	0.75
		Delta T	26	26	24	21	27	26	25	21	27	26	25	21	27	26	25	22	25	26	25	21	23	24	23	20
		KW	1.83	1.87	1.93	1.99	1.97	2.01	2.08	2.14	2.09	2.14	2.21	2.28	2.20	2.25	2.32	2.40	2.29	2.35	2.42	2.50	2.37	2.43	2.51	2.59
		AMPS	8.9	9.1	9.3	9.6	9.5	9.6	9.9	10.2	10.1	10.3	10.6	10.9	10.7	10.9	11.2	11.5	11.2	11.4	11.7	12.1	11.8	12.0	12.3	12.7
		HI PR	223	240	254	265	251	270	285	297	285	307	324	338	325	349	369	385	365	393	415	433	404	434	459	478
		LO PR	104	111	121	129	110	117	128	136	115	122	133	142	120	128	140	149	126	134	146	156	130	139	151	161

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is AHRI Rating Conditions

KW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

AMPS: Unit amps (comp.+ evaporator + condenser fan motors)

MODEL: *PG1536*41A***

EXPANDED PERFORMANCE DATA

COOLING OPERATION

Design Subcooling, 15°F ± 3 @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 9°F ± 3 @ the compressor suction access fitting connection.

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	900	MBh	23.9	24.8	27.2	-	23.4	24.2	26.5	-	22.8	23.6	25.9	-	22.2	23.1	25.3	-	21.1	21.9	24.0	-	19.6	20.3	22.2	-
		S/T	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.81	0.68	0.47	-	0.84	0.70	0.48	-	0.87	0.73	0.50	-	0.88	0.73	0.51	-
		Delta T	19	16	12	-	19	16	12	-	19	16	12	-	19	16	13	-	19	16	12	-	18	15	12	-
		KW	1.59	1.63	1.68	-	1.71	1.75	1.80	-	1.82	1.86	1.92	-	1.91	1.95	2.02	-	1.99	2.03	2.10	-	2.06	2.10	2.17	-
		AMPS	7.2	7.3	7.5	-	7.7	7.8	8.1	-	8.2	8.4	8.7	-	8.7	8.9	9.2	-	9.2	9.4	9.7	-	9.7	9.9	10.2	-
		HI PR	225	242	256	-	253	272	287	-	287	309	326	-	327	352	372	-	368	396	418	-	407	438	462	-
		LO PR	111	118	128	-	117	124	136	-	121	129	141	-	128	136	148	-	134	142	155	-	138	147	161	-
	800	MBh	23.2	24.1	26.4	-	22.7	23.5	25.7	-	22.1	22.9	25.1	-	21.6	22.4	24.5	-	20.5	21.3	23.3	-	19.0	19.7	21.6	-
		S/T	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.84	0.70	0.48	-
		Delta T	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	18	16	12	-
		KW	1.58	1.62	1.66	-	1.70	1.74	1.79	-	1.80	1.84	1.90	-	1.90	1.94	2.00	-	1.97	2.02	2.08	-	2.04	2.09	2.15	-
		AMPS	7.1	7.3	7.5	-	7.6	7.8	8.0	-	8.2	8.3	8.6	-	8.7	8.8	9.1	-	9.1	9.3	9.6	-	9.6	9.8	10.1	-
		HI PR	223	240	253	-	250	269	284	-	284	306	323	-	324	349	368	-	364	392	414	-	403	433	458	-
		LO PR	109	116	127	-	116	123	134	-	120	128	140	-	126	134	147	-	132	141	154	-	137	146	159	-
	700	MBh	21.4	22.2	24.3	-	20.9	21.7	23.8	-	20.4	21.2	23.2	-	19.9	20.7	22.6	-	18.9	19.6	21.5	-	17.5	18.2	19.9	-
		S/T	0.70	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.62	0.43	-	0.77	0.64	0.45	-	0.80	0.67	0.46	-	0.81	0.67	0.47	-
		Delta T	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	19	16	12	-
		KW	1.55	1.58	1.63	-	1.66	1.70	1.75	-	1.76	1.80	1.86	-	1.85	1.89	1.95	-	1.93	1.97	2.03	-	1.99	2.04	2.10	-
		AMPS	7.0	7.1	7.3	-	7.4	7.6	7.8	-	8.0	8.1	8.4	-	8.4	8.6	8.9	-	8.9	9.1	9.4	-	9.4	9.6	9.9	-
		HI PR	216	233	246	-	243	261	276	-	276	297	314	-	314	338	357	-	353	380	402	-	391	420	444	-
		LO PR	106	113	123	-	112	119	130	-	117	124	135	-	122	130	142	-	128	137	149	-	133	141	154	-
75	900	MBh	24.3	25.0	27.1	29.1	23.7	24.5	26.5	28.4	23.2	23.9	25.8	27.7	22.6	**23.3**	25.2	27.1	21.5	22.1	23.9	25.7	19.9	20.5	22.2	23.8
		S/T	0.87	0.78	0.59	0.38	0.90	0.80	0.61	0.39	0.92	0.82	0.62	0.40	0.95	**0.85**	0.64	0.41	0.99	0.88	0.67	0.43	1.00	0.89	0.67	0.43
		Delta T	22	20	16	11	22	20	16	11	22	20	16	11	22	**20**	17	11	22	20	16	11	20	19	15	11
		KW	1.61	1.64	1.69	1.74	1.73	1.76	1.82	1.88	1.83	1.87	1.93	2.00	1.93	**1.97**	2.03	2.10	2.01	2.05	2.12	2.19	2.08	2.12	2.19	2.26
		AMPS	7.2	7.4	7.6	7.8	7.7	7.9	8.1	8.4	8.3	8.5	8.7	9.0	8.8	**9.0**	9.2	9.5	9.3	9.5	9.8	10.1	9.8	10.0	10.3	10.6
		HI PR	227	245	258	270	255	275	290	302	290	312	330	344	331	**356**	376	392	372	400	423	441	411	442	467	487
		LO PR	112	119	130	138	118	126	137	146	123	130	142	152	129	**137**	150	159	135	144	157	167	140	149	162	173
	800	MBh	23.6	24.3	26.3	28.2	23.1	23.7	25.7	27.6	22.5	23.2	25.1	26.9	22.0	**22.6**	24.5	26.3	20.9	21.5	23.2	25.0	19.3	19.9	21.5	23.1
		S/T	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.88	0.79	0.60	0.38	0.91	**0.81**	0.61	0.40	0.94	0.84	0.64	0.41	0.95	0.85	0.64	0.41
		Delta T	22	21	17	12	23	21	17	12	23	21	17	12	23	**21**	17	12	23	21	17	12	21	19	16	11
		KW	1.60	1.63	1.68	1.73	1.71	1.75	1.80	1.86	1.82	1.86	1.92	1.98	1.91	**1.95**	2.02	2.08	1.99	2.03	2.10	2.17	2.06	2.10	2.17	2.25
		AMPS	7.2	7.3	7.5	7.8	7.7	7.8	8.1	8.3	8.2	8.4	8.7	8.9	8.7	**8.9**	9.2	9.5	9.2	9.4	9.7	10.0	9.7	9.9	10.2	10.5
		HI PR	225	242	256	267	253	272	287	299	287	309	326	341	327	**352**	372	388	368	396	418	436	407	438	462	482
		LO PR	111	118	128	137	117	124	136	145	121	129	141	150	128	**136**	148	158	134	142	155	165	138	147	161	171
	700	MBh	21.8	22.4	24.3	26.1	21.3	21.9	23.7	25.5	20.8	21.4	23.2	24.8	20.3	**20.9**	22.6	24.2	19.3	19.8	21.5	23.0	17.8	18.4	19.9	21.3
		S/T	0.80	0.71	0.54	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.57	0.37	0.88	**0.78**	0.59	0.38	0.91	0.81	0.62	0.40	0.92	0.82	0.62	0.40
		Delta T	23	21	17	12	23	21	17	12	23	21	17	12	23	**21**	18	12	23	21	17	12	21	20	16	11
		KW	1.56	1.59	1.64	1.69	1.67	1.71	1.76	1.82	1.78	1.81	1.87	1.93	1.87	**1.91**	1.97	2.03	1.94	1.98	2.05	2.12	2.01	2.05	2.12	2.19
		AMPS	7.0	7.2	7.4	7.6	7.5	7.7	7.9	8.1	8.0	8.2	8.4	8.7	8.5	**8.7**	8.9	9.2	9.0	9.2	9.4	9.8	9.5	9.7	9.9	10.3
		HI PR	218	235	248	259	245	264	278	290	279	300	317	330	317	**342**	361	376	357	384	406	423	395	425	448	468
		LO PR	107	114	125	133	113	121	132	140	118	125	137	146	124	**132**	144	153	130	138	151	160	134	143	156	166

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ACCA (TVA) conditions

KW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

AMPS: Unit amps (comp.+ evaporator + condenser fan motors)

MODEL: *PG1536*41A***

EXPANDED PERFORMANCE DATA

COOLING OPERATION

Design Subcooling, 15°F ± 3 @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 9°F ± 3 @ the compressor suction access fitting connection.

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	900	MBh	24.7	25.3	27.0	28.9	24.2	24.7	26.4	28.2	23.6	24.1	25.8	27.5	23.0	23.5	25.1	26.9	21.9	22.3	23.9	25.5	20.3	20.7	22.1	23.6
		S/T	0.95	0.89	0.73	0.54	1.00	0.93	0.75	0.56	1.00	0.95	0.77	0.58	1.00	1.00	0.80	0.60	1.00	1.00	0.83	0.62	1.00	1.00	0.83	0.62
		Delta T	24	23	20	16	25	23	20	16	24	23	20	16	24	24	20	16	22	23	20	16	21	21	19	15
		KW	1.62	1.65	1.70	1.76	1.74	1.78	1.83	1.89	1.85	1.89	1.95	2.01	1.94	1.99	2.05	2.12	2.02	2.07	2.14	2.21	2.09	2.14	2.21	2.28
		AMPS	7.3	7.4	7.7	7.9	7.8	8.0	8.2	8.4	8.4	8.5	8.8	9.1	8.9	9.1	9.3	9.6	9.4	9.6	9.8	10.2	9.9	10.1	10.4	10.7
		HI PR	230	247	261	272	258	277	293	305	293	315	333	347	334	359	379	396	376	404	427	445	415	447	472	492
		LO PR	113	120	131	140	119	127	138	147	124	132	144	153	130	138	151	161	136	145	158	169	141	150	164	174
	800	MBh	24.0	24.6	26.2	28.0	23.5	24.0	25.6	27.4	22.9	23.4	25.0	26.7	22.4	22.8	**24.4**	26.1	21.2	21.7	23.2	24.8	19.7	20.1	21.5	23.0
		S/T	0.91	0.85	0.69	0.52	0.94	0.88	0.72	0.54	0.96	0.90	0.74	0.55	1.00	0.93	**0.76**	0.57	1.00	0.97	0.79	0.59	1.00	0.98	0.80	0.59
		Delta T	25	24	21	17	25	24	21	17	25	24	21	17	26	25	**21**	17	24	24	21	17	23	23	20	16
		KW	1.61	1.64	1.69	1.74	1.73	1.76	1.82	1.88	1.83	1.87	1.93	2.00	1.93	1.97	**2.03**	2.10	2.01	2.05	2.12	2.19	2.08	2.12	2.19	2.26
		AMPS	7.2	7.4	7.6	7.8	7.7	7.9	8.1	8.4	8.3	8.5	8.7	9.0	8.8	9.0	**9.2**	9.5	9.3	9.5	9.8	10.1	9.8	10.0	10.3	10.6
		HI PR	227	245	258	270	255	275	290	302	290	312	330	344	331	356	**376**	392	372	400	423	441	411	442	467	487
		LO PR	112	119	130	138	118	126	137	146	123	130	142	152	129	137	**150**	159	135	144	157	167	140	149	162	173
	700	MBh	22.2	22.7	24.2	25.9	21.7	22.1	23.6	25.3	21.1	21.6	23.1	24.7	20.6	21.1	22.5	24.1	19.6	20.0	21.4	22.9	18.2	18.6	19.8	21.2
		S/T	0.88	0.82	0.67	0.50	0.91	0.85	0.69	0.52	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.93	0.76	0.57	1.00	0.94	0.77	0.57
		Delta T	25	24	21	17	26	25	22	17	26	25	22	17	26	25	22	17	26	25	21	17	24	23	20	16
		KW	1.57	1.60	1.65	1.70	1.69	1.72	1.78	1.83	1.79	1.83	1.89	1.95	1.88	1.92	1.98	2.05	1.96	2.00	2.07	2.13	2.03	2.07	2.14	2.21
		AMPS	7.1	7.2	7.4	7.7	7.6	7.7	7.9	8.2	8.1	8.3	8.5	8.8	8.6	8.8	9.0	9.3	9.1	9.3	9.5	9.8	9.5	9.7	10.0	10.4
		HI PR	221	237	251	261	248	266	281	293	282	303	320	334	321	345	364	380	361	388	410	428	399	429	453	472
		LO PR	108	115	126	134	114	122	133	142	119	127	138	147	125	133	145	155	131	139	152	162	135	144	157	168
85	900	MBh	25.2	25.7	26.9	28.7	24.6	25.1	26.3	28.0	24.0	24.5	25.6	27.3	23.4	23.9	25.0	26.7	22.3	22.7	23.8	25.3	20.6	21.0	22.0	23.5
		S/T	1.00	0.96	0.87	0.70	1.00	1.00	0.90	0.73	1.00	1.00	0.92	0.75	1.00	1.00	0.95	0.77	1.00	1.00	0.99	0.80	1.00	1.00	1.00	0.81
		Delta T	26	25	24	21	25	26	24	21	25	25	24	21	24	24	24	21	23	23	24	21	21	21	22	19
		KW	1.63	1.67	1.72	1.77	1.76	1.79	1.85	1.91	1.86	1.90	1.96	2.03	1.96	2.00	2.07	2.13	2.04	2.09	2.15	2.22	2.11	2.16	2.23	2.30
		AMPS	7.4	7.5	7.7	8.0	7.9	8.0	8.2	8.5	8.4	8.6	8.9	9.2	8.9	9.1	9.4	9.7	9.4	9.6	9.9	10.3	9.9	10.1	10.5	10.8
		HI PR	232	250	264	275	260	280	296	309	296	319	336	351	337	363	383	400	379	408	431	450	419	451	476	497
		LO PR	114	121	132	141	120	128	140	149	125	133	145	155	131	140	153	163	138	147	160	170	142	152	165	176
	800	MBh	24.4	24.9	26.1	27.8	23.9	24.3	25.5	27.2	23.3	23.8	24.9	26.5	22.7	23.2	24.3	25.9	21.6	22.0	23.1	24.6	20.0	20.4	21.4	22.8
		S/T	0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	1.00	0.98	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.77	1.00	1.00	0.95	0.77
		Delta T	27	26	25	22	27	27	25	22	27	27	25	22	26	27	25	22	25	25	25	22	23	23	23	20
		KW	1.62	1.65	1.70	1.76	1.74	1.78	1.83	1.89	1.85	1.89	1.95	2.01	1.94	1.99	2.05	2.12	2.02	2.07	2.14	2.21	2.09	2.14	2.21	2.28
		AMPS	7.3	7.4	7.7	7.9	7.8	8.0	8.2	8.4	8.4	8.5	8.8	9.1	8.9	9.1	9.3	9.6	9.4	9.6	9.8	10.2	9.9	10.1	10.4	10.7
		HI PR	230	247	261	272	258	277	293	305	293	315	333	347	334	359	379	396	376	404	427	445	415	447	472	492
		LO PR	113	120	131	140	119	127	138	147	124	132	144	153	130	138	151	161	136	145	158	169	141	150	164	174
	700	MBh	22.6	23.0	24.1	25.7	22.0	22.5	23.5	25.1	21.5	21.9	23.0	24.5	21.0	21.4	22.4	23.9	19.9	20.3	21.3	22.7	18.5	18.8	19.7	21.0
		S/T	0.92	0.89	0.80	0.65	0.95	0.92	0.83	0.67	0.98	0.94	0.85	0.69	1.00	0.97	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.92	0.74
		Delta T	27	27	25	22	28	27	26	22	28	27	26	22	28	27	26	22	26	27	25	22	24	25	24	21
		KW	1.58	1.61	1.66	1.72	1.70	1.74	1.79	1.85	1.80	1.84	1.90	1.96	1.90	1.94	2.00	2.06	1.97	2.02	2.08	2.15	2.04	2.09	2.15	2.23
		AMPS	7.1	7.3	7.5	7.7	7.6	7.8	8.0	8.2	8.2	8.3	8.6	8.9	8.7	8.8	9.1	9.4	9.1	9.3	9.6	9.9	9.6	9.8	10.1	10.5
		HI PR	223	240	253	264	250	269	284	296	284	306	323	337	324	348	368	384	364	392	414	432	403	433	457	477
		LO PR	109	116	127	135	116	123	134	143	120	128	140	149	126	134	147	156	132	141	154	164	137	146	159	169

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is AHRI Rating Conditions

KW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

AMPS: Unit amps (comp.+ evaporator + condenser fan motors)

MODEL: *PG1536*41A***

EXPANDED PERFORMANCE DATA

COOLING OPERATION

Design Subcooling, 15°F ± 3 @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 9°F ± 3 @ the compressor suction access fitting connection.

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1378	MBh	34.7	36.0	39.4	-	33.9	35.1	38.5	-	33.1	34.3	37.6	-	32.3	33.4	36.6	-	30.7	31.8	34.8	-	28.4	29.4	32.2	-
		S/T	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.82	0.69	0.48	-	0.85	0.71	0.49	-	0.88	0.74	0.51	-	0.89	0.74	0.51	-
		Delta T	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
		KW	2.52	2.58	2.65	-	2.71	2.77	2.86	-	2.88	2.94	3.03	-	3.03	3.09	3.19	-	3.15	3.22	3.33	-	3.26	3.33	3.44	-
		AMPS	12.7	12.9	13.2	-	13.4	13.7	14.0	-	14.3	14.6	15.0	-	15.1	15.4	15.8	-	15.8	16.2	16.6	-	16.6	16.9	17.4	-
		HI PR	252	271	286	-	282	304	321	-	321	346	365	-	366	394	416	-	412	443	468	-	455	489	517	-
		LO PR	110	117	128	-	116	124	135	-	121	129	140	-	127	135	147	-	133	142	154	-	138	146	160	-
	1225	MBh	33.7	34.9	38.2	-	32.9	34.1	37.4	-	32.1	33.3	36.5	-	31.3	32.5	35.6	-	29.8	30.8	33.8	-	27.6	28.6	31.3	-
		S/T	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.78	0.65	0.45	-	0.81	0.68	0.47	-	0.84	0.70	0.49	-	0.85	0.71	0.49	-
		Delta T	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	18	15	12	-
		KW	2.50	2.56	2.63	-	2.69	2.75	2.83	-	2.86	2.92	3.01	-	3.00	3.07	3.17	-	3.13	3.19	3.30	-	3.23	3.30	3.41	-
		AMPS	12.6	12.8	13.1	-	13.3	13.6	13.9	-	14.2	14.5	14.9	-	15.0	15.3	15.7	-	15.7	16.0	16.5	-	16.5	16.8	17.3	-
		HI PR	249	268	283	-	280	301	318	-	318	342	361	-	362	390	412	-	408	439	463	-	450	485	512	-
		LO PR	109	116	127	-	115	122	134	-	120	127	139	-	126	134	146	-	132	140	153	-	136	145	158	-
	1072	MBh	31.1	32.2	35.3	-	30.4	31.5	34.5	-	29.6	30.7	33.7	-	28.9	30.0	32.8	-	27.5	28.5	31.2	-	25.4	26.4	28.9	-
		S/T	0.71	0.59	0.41	-	0.74	0.62	0.43	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.68	0.47	-	0.82	0.68	0.47	-
		Delta T	19	16	12	-	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	18	15	12	-
		KW	2.45	2.50	2.57	-	2.63	2.68	2.77	-	2.79	2.85	2.94	-	2.93	2.99	3.09	-	3.05	3.12	3.22	-	3.15	3.22	3.33	-
		AMPS	12.3	12.5	12.8	-	13.1	13.3	13.6	-	13.9	14.2	14.5	-	14.6	14.9	15.3	-	15.4	15.7	16.1	-	16.1	16.4	16.9	-
		HI PR	242	260	275	-	271	292	308	-	309	332	351	-	351	378	399	-	395	425	449	-	437	470	496	-
		LO PR	106	112	123	-	112	119	130	-	116	123	135	-	122	130	142	-	128	136	148	-	132	141	153	-
75	1378	MBh	35.3	36.3	39.3	42.2	34.5	35.5	38.4	41.2	33.6	34.6	37.5	40.2	32.8	**33.8**	36.6	39.3	31.2	32.1	34.7	37.3	28.9	29.7	32.2	34.5
		S/T	0.88	0.79	0.60	0.38	0.91	0.81	0.62	0.40	0.93	0.84	0.63	0.41	0.96	**0.86**	0.65	0.42	1.00	0.90	0.68	0.44	1.00	0.90	0.68	0.44
		Delta T	21	19	16	11	21	19	16	11	21	19	16	11	21	**19**	16	11	21	19	16	11	19	18	15	10
		KW	2.54	2.60	2.68	2.76	2.73	2.79	2.88	2.97	2.90	2.97	3.06	3.16	3.05	**3.12**	3.22	3.32	3.18	3.25	3.35	3.47	3.29	3.36	3.47	3.59
		AMPS	12.7	13.0	13.3	13.7	13.5	13.8	14.1	14.5	14.4	14.7	15.1	15.5	15.2	**15.5**	15.9	16.4	16.0	16.3	16.7	17.2	16.7	17.1	17.5	18.1
		HI PR	254	274	289	301	285	307	324	338	325	349	369	385	370	**398**	420	438	416	447	473	493	459	494	522	545
		LO PR	111	118	129	137	117	125	136	145	122	130	142	151	128	**136**	149	159	134	143	156	166	139	148	161	172
	1225	MBh	34.2	35.3	38.2	41.0	33.5	34.4	37.3	40.0	32.7	33.6	36.4	39.1	31.9	**32.8**	35.5	38.1	30.3	31.2	33.7	36.2	28.0	28.9	31.2	33.5
		S/T	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.89	0.80	0.60	0.39	0.92	**0.82**	0.62	0.40	0.95	0.85	0.65	0.42	0.96	0.86	0.65	0.42
		Delta T	22	20	16	11	22	20	16	11	22	20	16	11	22	**20**	17	11	22	20	16	11	20	19	15	11
		KW	2.52	2.58	2.65	2.74	2.71	2.77	2.86	2.95	2.88	2.94	3.04	3.13	3.03	**3.09**	3.19	3.30	3.15	3.22	3.33	3.44	3.26	3.33	3.44	3.56
		AMPS	12.7	12.9	13.2	13.6	13.4	13.7	14.0	14.4	14.3	14.6	15.0	15.4	15.1	**15.4**	15.8	16.3	15.8	16.2	16.6	17.1	16.6	16.9	17.4	17.9
		HI PR	252	271	286	298	283	304	321	335	321	346	365	381	366	**394**	416	434	412	443	468	488	455	490	517	539
		LO PR	110	117	128	136	116	124	135	144	121	129	140	149	127	**135**	147	157	133	142	155	165	138	146	160	170
	1072	MBh	31.6	32.5	35.2	37.8	30.9	31.8	34.4	36.9	30.1	31.0	33.6	36.1	29.4	**30.3**	32.8	35.2	27.9	28.8	31.1	33.4	25.9	26.6	28.8	31.0
		S/T	0.81	0.72	0.55	0.35	0.84	0.75	0.57	0.36	0.86	0.77	0.58	0.37	0.89	**0.79**	0.60	0.39	0.92	0.82	0.62	0.40	0.93	0.83	0.63	0.40
		Delta T	22	20	17	11	22	20	17	12	22	20	17	12	22	**21**	17	12	22	20	17	11	21	19	16	11
		KW	2.46	2.52	2.59	2.67	2.65	2.70	2.79	2.88	2.81	2.87	2.96	3.06	2.95	**3.02**	3.11	3.22	3.08	3.14	3.24	3.35	3.18	3.25	3.36	3.47
		AMPS	12.4	12.6	12.9	13.3	13.2	13.4	13.7	14.1	14.0	14.3	14.6	15.1	14.8	**15.0**	15.4	15.9	15.5	15.8	16.2	16.7	16.2	16.6	17.0	17.5
		HI PR	244	263	278	289	274	295	311	325	312	335	354	369	355	**382**	403	421	399	430	454	473	441	475	501	523
		LO PR	107	114	124	132	113	120	131	140	117	125	136	145	123	**131**	143	152	129	137	150	160	133	142	155	165

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ACCA (TVA) conditions

KW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

AMPS: Unit amps (comp.+ evaporator + condenser fan motors)

MODEL: *PG1536*41A***

EXPANDED PERFORMANCE DATA

COOLING OPERATION

Design Subcooling, 15°F ± 3 @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 9°F ± 3 @ the compressor suction access fitting connection.

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1378	MBh	35.9	36.7	39.2	41.9	35.1	35.8	38.3	40.9	34.2	35.0	37.4	40.0	33.4	34.1	36.5	39.0	31.7	32.4	34.6	37.0	29.4	30.0	32.1	34.3
		S/T	0.96	0.90	0.74	0.55	1.00	0.94	0.76	0.57	1.00	0.96	0.78	0.58	1.00	1.00	0.81	0.60	1.00	1.00	0.84	0.63	1.00	1.00	0.84	0.63
		Delta T	23	22	19	15	23	22	19	16	23	22	20	16	22	23	20	16	21	22	19	15	20	20	18	14
		KW	2.56	2.62	2.70	2.78	2.76	2.81	2.90	3.00	2.93	2.99	3.08	3.19	3.08	3.14	3.25	3.35	3.20	3.28	3.38	3.49	3.32	3.39	3.50	3.62
		AMPS	12.8	13.1	13.4	13.8	13.6	13.9	14.2	14.6	14.5	14.8	15.2	15.6	15.3	15.6	16.0	16.5	16.1	16.4	16.8	17.4	16.9	17.2	17.7	18.2
		HI PR	257	276	292	304	288	310	328	342	328	353	373	389	373	402	424	443	420	452	477	498	464	499	527	550
		LO PR	112	119	130	139	119	126	138	147	123	131	143	152	130	138	150	160	136	144	158	168	140	149	163	174
	1225	MBh	34.9	35.6	38.1	40.7	34.0	34.8	37.2	39.7	33.2	34.0	36.3	38.8	32.4	33.1	**35.4**	37.8	30.8	31.5	33.6	36.0	28.5	29.2	31.2	33.3
		S/T	0.92	0.86	0.70	0.52	0.95	0.89	0.73	0.54	0.98	0.92	0.75	0.56	1.00	0.95	**0.77**	0.58	1.00	0.98	0.80	0.60	1.00	0.99	0.81	0.60
		Delta T	24	23	20	16	24	23	20	16	24	23	20	16	24	24	**20**	16	23	23	20	16	21	22	19	15
		KW	2.54	2.60	2.68	2.76	2.73	2.79	2.88	2.97	2.90	2.97	3.06	3.16	3.05	3.12	**3.22**	3.33	3.18	3.25	3.35	3.47	3.29	3.36	3.47	3.59
		AMPS	12.7	13.0	13.3	13.7	13.5	13.8	14.1	14.5	14.4	14.7	15.1	15.5	15.2	15.5	**15.9**	16.4	16.0	16.3	16.7	17.2	16.7	17.1	17.5	18.1
		HI PR	254	274	289	301	285	307	324	338	325	349	369	385	370	398	**420**	438	416	448	473	493	460	494	522	545
		LO PR	111	118	129	138	117	125	136	145	122	130	142	151	128	136	**149**	159	134	143	156	166	139	148	161	172
	1072	MBh	32.2	32.9	35.1	37.5	31.4	32.1	34.3	36.7	30.7	31.3	33.5	35.8	29.9	30.6	32.7	34.9	28.4	29.1	31.0	33.2	26.3	26.9	28.8	30.7
		S/T	0.89	0.83	0.68	0.51	0.92	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.97	0.91	0.74	0.55	1.01	0.95	0.77	0.58	1.02	0.95	0.78	0.58
		Delta T	24	23	20	16	25	24	21	16	25	24	21	17	25	24	21	17	25	24	21	16	23	22	19	15
		KW	2.48	2.53	2.61	2.69	2.67	2.73	2.81	2.90	2.83	2.89	2.99	3.08	2.98	3.04	3.14	3.24	3.10	3.17	3.27	3.38	3.21	3.28	3.38	3.50
		AMPS	12.5	12.7	13.0	13.4	13.2	13.5	13.8	14.2	14.1	14.4	14.7	15.2	14.9	15.1	15.5	16.0	15.6	15.9	16.3	16.8	16.4	16.7	17.1	17.7
		HI PR	247	265	280	292	277	298	315	328	315	339	358	373	359	386	407	425	403	434	458	478	446	480	506	528
		LO PR	108	115	125	133	114	121	132	141	118	126	138	146	124	132	144	154	130	139	151	161	135	143	157	167
85	1378	MBh	36.5	37.2	39.0	41.6	35.7	36.4	38.1	40.6	34.8	35.5	37.2	39.7	34.0	34.6	36.3	38.7	32.3	32.9	34.5	36.8	29.9	30.5	31.9	34.1
		S/T	1.00	0.98	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.97	0.78	1.00	1.00	1.00	0.81	1.00	1.00	1.00	0.82
		Delta T	24	24	23	20	24	24	23	20	23	24	23	20	23	23	23	20	22	22	23	20	20	20	21	19
		KW	2.58	2.64	2.72	2.80	2.78	2.84	2.93	3.02	2.95	3.01	3.11	3.21	3.10	3.17	3.27	3.38	3.23	3.30	3.41	3.52	3.34	3.42	3.53	3.65
		AMPS	12.9	13.2	13.5	13.9	13.7	14.0	14.3	14.7	14.6	14.9	15.3	15.8	15.4	15.7	16.1	16.6	16.2	16.5	17.0	17.5	17.0	17.3	17.8	18.4
		HI PR	259	279	295	308	291	313	331	345	331	356	376	392	377	406	429	447	424	457	482	503	469	504	533	556
		LO PR	113	121	132	140	120	127	139	148	125	132	145	154	131	139	152	162	137	146	159	170	142	151	165	175
	1225	MBh	35.5	36.2	37.9	40.4	34.6	35.3	37.0	39.5	33.8	34.5	36.1	38.5	33.0	33.6	35.2	37.6	31.3	31.9	33.5	35.7	29.0	29.6	31.0	33.1
		S/T	0.96	0.93	0.84	0.68	1.00	0.96	0.87	0.71	1.00	0.99	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.96	0.78	1.00	1.00	0.96	0.78
		Delta T	26	25	24	21	26	26	24	21	25	26	24	21	25	25	24	21	24	24	24	21	22	22	22	19
		KW	2.56	2.62	2.70	2.78	2.76	2.81	2.90	3.00	2.93	2.99	3.08	3.19	3.08	3.14	3.25	3.35	3.20	3.28	3.38	3.49	3.32	3.39	3.50	3.62
		AMPS	12.8	13.1	13.4	13.8	13.6	13.9	14.2	14.6	14.5	14.8	15.2	15.6	15.3	15.6	16.0	16.5	16.1	16.4	16.8	17.4	16.9	17.2	17.7	18.2
		HI PR	257	276	292	304	288	310	328	342	328	353	373	389	373	402	424	443	420	452	477	498	464	499	527	550
		LO PR	112	119	130	139	119	126	138	147	123	131	143	152	130	138	150	160	136	144	158	168	140	149	163	174
	1072	MBh	32.7	33.4	34.9	37.3	32.0	32.6	34.1	36.4	31.2	31.8	33.3	35.6	30.5	31.0	32.5	34.7	28.9	29.5	30.9	33.0	26.8	27.3	28.6	30.5
		S/T	0.93	0.90	0.81	0.66	0.96	0.93	0.84	0.68	0.99	0.95	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.93	0.75
		Delta T	26	26	24	21	26	26	25	21	26	26	25	21	26	26	25	21	25	25	24	21	23	23	23	20
		KW	2.50	2.55	2.63	2.72	2.69	2.75	2.83	2.92	2.86	2.92	3.01	3.11	3.00	3.07	3.17	3.27	3.13	3.19	3.30	3.41	3.23	3.30	3.41	3.53
		AMPS	12.6	12.8	13.1	13.5	13.3	13.6	13.9	14.3	14.2	14.5	14.9	15.3	15.0	15.3	15.7	16.1	15.7	16.0	16.5	17.0	16.5	16.8	17.3	17.8
		HI PR	249	268	283	295	280	301	318	331	318	342	361	377	362	390	412	429	407	438	463	483	450	484	512	534
		LO PR	109	116	126	135	115	122	134	142	120	127	139	148	126	134	146	155	132	140	153	163	136	145	158	168

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is AHRI Rating Conditions

KW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

AMPS: Unit amps (comp.+ evaporator + condenser fan motors)

MODEL: *PG153709041A*

EXPANDED PERFORMANCE DATA

COOLING OPERATION

Design Subcooling,10 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 6°F @ the compressor suction access fitting connection.

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1125	MBh	34.4	35.7	39.1	-	33.6	34.8	38.2	-	32.8	34.0	37.2	-	32.0	33.2	36.3	-	30.4	31.5	34.5	-	28.2	29.2	32.0	-
		S/T	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.67	0.47	-	0.81	0.68	0.47	-
		Delta T	20	17	13	-	20	17	13	-	20	17	13	-	20	18	13	-	20	17	13	-	19	16	12	-
		KW	2.29	2.34	2.41	-	2.47	2.52	2.60	-	2.63	2.68	2.77	-	2.77	2.83	2.92	-	2.88	2.95	3.05	-	2.99	3.06	3.16	-
		AMPS	11.0	11.2	11.5	-	11.7	11.9	12.3	-	12.5	12.8	13.2	-	13.3	13.5	13.9	-	14.0	14.3	14.7	-	14.7	15.0	15.5	-
		HI PR	235	253	267	-	264	284	300	-	300	323	341	-	342	368	389	-	385	414	437	-	425	458	483	-
		LO PR	104	111	121	-	110	117	128	-	115	122	133	-	120	128	140	-	126	134	147	-	131	139	152	-
	1055	MBh	34.1	35.3	38.7	-	33.3	34.5	37.8	-	32.5	33.7	36.9	-	31.7	32.8	36.0	-	30.1	31.2	34.2	-	27.9	28.9	31.7	-
		S/T	0.69	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.80	0.67	0.46	-
		Delta T	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	19	17	13	-
		KW	2.28	2.33	2.41	-	2.46	2.51	2.60	-	2.62	2.68	2.77	-	2.76	2.82	2.92	-	2.88	2.94	3.04	-	2.98	3.05	3.15	-
		AMPS	10.9	11.2	11.5	-	11.7	11.9	12.2	-	12.5	12.8	13.1	-	13.2	13.5	13.9	-	14.0	14.3	14.7	-	14.7	15.0	15.4	-
		HI PR	235	253	267	-	263	283	299	-	299	322	340	-	341	367	388	-	384	413	436	-	424	456	482	-
		LO PR	104	111	121	-	110	117	128	-	114	122	133	-	120	128	140	-	126	134	146	-	130	139	151	-
	875	MBh	31.4	32.6	35.7	-	30.7	31.8	34.9	-	30.0	31.1	34.0	-	29.2	30.3	33.2	-	27.8	28.8	31.5	-	25.7	26.7	29.2	-
		S/T	0.67	0.56	0.39	-	0.69	0.58	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.76	0.64	0.44	-	0.77	0.64	0.44	-
		Delta T	22	19	15	-	22	19	15	-	22	19	15	-	23	20	15	-	22	19	15	-	21	18	14	-
		KW	2.23	2.27	2.35	-	2.40	2.45	2.53	-	2.55	2.61	2.70	-	2.69	2.75	2.84	-	2.80	2.87	2.96	-	2.90	2.97	3.07	-
		AMPS	10.7	10.9	11.2	-	11.4	11.6	11.9	-	12.2	12.5	12.8	-	12.9	13.2	13.6	-	13.6	13.9	14.3	-	14.3	14.6	15.1	-
		HI PR	228	245	259	-	255	275	290	-	290	313	330	-	331	356	376	-	372	401	423	-	411	443	467	-
		LO PR	101	107	117	-	107	114	124	-	111	118	129	-	117	124	135	-	122	130	142	-	126	134	147	-
75	1125	MBh	35.0	36.0	39.0	41.8	34.2	35.2	38.1	40.9	33.4	34.3	37.2	39.9	32.5	**33.5**	36.3	38.9	30.9	31.8	34.5	37.0	28.6	29.5	31.9	34.3
		S/T	0.80	0.72	0.54	0.35	0.83	0.75	0.56	0.36	0.85	0.76	0.58	0.37	0.88	**0.79**	0.60	0.38	0.92	0.82	0.62	0.40	0.92	0.83	0.63	0.40
		Delta T	23	21	17	12	23	21	18	12	23	21	18	12	23	**22**	18	12	23	21	17	12	22	20	16	11
		KW	2.31	2.36	2.43	2.51	2.49	2.54	2.63	2.71	2.65	2.71	2.80	2.89	2.79	**2.85**	2.95	3.05	2.91	2.98	3.08	3.18	3.01	3.08	3.19	3.30
		AMPS	11.0	11.3	11.6	11.9	11.8	12.0	12.4	12.7	12.6	12.9	13.3	13.7	13.4	**13.7**	14.0	14.5	14.1	14.4	14.8	15.3	14.8	15.2	15.6	16.1
		HI PR	238	256	270	282	267	287	303	316	303	327	345	360	346	**372**	393	410	389	418	442	461	430	462	488	509
		LO PR	106	112	123	131	111	119	129	138	116	123	135	143	122	**129**	141	151	128	136	148	158	132	140	153	163
	1055	MBh	34.6	35.7	38.6	41.4	33.8	34.8	37.7	40.5	33.0	34.0	36.8	39.5	32.2	**33.2**	35.9	38.5	30.6	31.5	34.1	36.6	28.4	29.2	31.6	33.9
		S/T	0.79	0.71	0.53	0.34	0.82	0.73	0.55	0.36	0.84	0.75	0.57	0.37	0.87	**0.77**	0.59	0.38	0.90	0.80	0.61	0.39	0.91	0.81	0.61	0.39
		Delta T	24	22	18	12	24	22	18	13	24	22	18	13	24	**22**	18	13	24	22	18	12	22	21	17	12
		KW	2.30	2.35	2.43	2.51	2.48	2.54	2.62	2.71	2.64	2.70	2.79	2.88	2.78	**2.85**	2.94	3.04	2.90	2.97	3.07	3.17	3.01	3.07	3.18	3.29
		AMPS	11.0	11.2	11.5	11.9	11.8	12.0	12.3	12.7	12.6	12.9	13.2	13.7	13.3	**13.6**	14.0	14.5	14.1	14.4	14.8	15.3	14.8	15.1	15.6	16.1
		HI PR	237	255	269	281	266	286	302	315	303	326	344	359	345	**371**	392	408	388	417	440	459	428	461	487	508
		LO PR	105	112	122	130	111	118	129	137	116	123	134	143	121	**129**	141	150	127	135	148	157	132	140	153	163
	875	MBh	32.0	32.9	35.6	38.2	31.2	32.2	34.8	37.3	30.5	31.4	34.0	36.5	29.7	**30.6**	33.1	35.6	28.3	29.1	31.5	33.8	26.2	26.9	29.2	31.3
		S/T	0.76	0.68	0.51	0.33	0.79	0.71	0.53	0.34	0.81	0.72	0.55	0.35	0.83	**0.75**	0.56	0.36	0.87	0.77	0.59	0.38	0.87	0.78	0.59	0.38
		Delta T	26	24	19	13	26	24	20	13	26	24	20	13	26	**24**	20	14	26	24	19	13	24	22	18	13
		KW	2.24	2.29	2.37	2.44	2.42	2.47	2.55	2.64	2.57	2.63	2.72	2.81	2.71	**2.77**	2.87	2.96	2.83	2.89	2.99	3.09	2.93	3.00	3.10	3.20
		AMPS	10.8	11.0	11.3	11.6	11.5	11.7	12.0	12.4	12.3	12.6	12.9	13.3	13.0	**13.3**	13.7	14.1	13.7	14.0	14.4	14.9	14.4	14.8	15.2	15.7
		HI PR	230	247	261	273	258	278	293	306	293	316	333	348	334	**360**	380	396	376	405	427	446	415	447	472	492
		LO PR	102	109	119	126	108	115	125	133	112	119	130	139	118	**125**	137	146	123	131	143	153	128	136	148	158

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ACCA (TVA) conditions

KW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

AMPS: Unit amps (comp.+ evaporator + condenser fan motors)

*PG1537**41A*

MODEL: *PG153709041A*

EXPANDED PERFORMANCE DATA

COOLING OPERATION

Design Subcooling,10 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 6°F @ the compressor suction access fitting connection.

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1125	MBh	35.6	36.4	38.9	41.6	34.8	35.5	38.0	40.6	33.9	34.7	37.1	39.6	33.1	33.8	36.2	38.7	31.5	32.2	34.4	36.7	29.1	29.8	31.8	34.0
		S/T	0.88	0.83	0.67	0.50	0.91	0.86	0.70	0.52	0.94	0.88	0.72	0.53	0.97	0.91	0.74	0.55	1.00	0.94	0.77	0.57	1.00	0.95	0.77	0.58
		Delta T	26	25	21	17	26	25	22	17	26	25	22	17	26	25	22	17	26	25	22	17	24	23	20	16
		KW	2.32	2.37	2.45	2.53	2.51	2.56	2.65	2.74	2.67	2.73	2.82	2.92	2.81	2.88	2.97	3.08	2.93	3.00	3.10	3.21	3.04	3.11	3.22	3.33
		AMPS	11.1	11.3	11.7	12.0	11.9	12.1	12.4	12.8	12.7	13.0	13.4	13.8	13.5	13.8	14.2	14.6	14.2	14.5	15.0	15.4	15.0	15.3	15.7	16.3
		HI PR	240	258	273	285	269	290	306	319	306	330	348	363	349	376	397	414	393	423	446	465	434	467	493	514
		LO PR	107	113	124	132	113	120	131	139	117	125	136	145	123	131	143	152	129	137	150	159	133	142	155	165
	1055	MBh	35.3	36.0	38.5	41.1	34.4	35.2	37.6	40.2	33.6	34.3	36.7	39.2	32.8	33.5	**35.8**	38.3	31.2	31.8	34.0	36.4	28.9	29.5	31.5	33.7
		S/T	0.87	0.81	0.66	0.49	0.90	0.84	0.68	0.51	0.92	0.86	0.70	0.52	0.95	0.89	**0.72**	0.54	0.99	0.92	0.75	0.56	0.99	0.93	0.76	0.57
		Delta T	27	25	22	18	27	26	22	18	27	26	22	18	27	26	**23**	18	27	26	22	18	25	24	21	17
		KW	2.32	2.37	2.45	2.53	2.50	2.56	2.64	2.73	2.66	2.72	2.81	2.91	2.81	2.87	**2.97**	3.07	2.93	2.99	3.10	3.20	3.03	3.10	3.21	3.32
		AMPS	11.1	11.3	11.6	12.0	11.8	12.1	12.4	12.8	12.7	13.0	13.3	13.8	13.4	13.7	**14.1**	14.6	14.2	14.5	14.9	15.4	14.9	15.2	15.7	16.2
		HI PR	239	258	272	284	269	289	305	318	306	329	347	362	348	375	**396**	413	392	421	445	464	433	466	492	513
		LO PR	106	113	123	131	112	119	130	139	117	124	136	144	123	130	**142**	152	128	137	149	159	133	141	154	164
	875	MBh	32.5	33.2	35.5	38.0	31.8	32.5	34.7	37.1	31.0	31.7	33.9	36.2	30.3	30.9	33.0	35.3	28.8	29.4	31.4	33.6	26.6	27.2	29.1	31.1
		S/T	0.83	0.78	0.64	0.48	0.86	0.81	0.66	0.49	0.89	0.83	0.68	0.51	0.92	0.86	0.70	0.52	0.95	0.89	0.73	0.54	0.96	0.90	0.73	0.55
		Delta T	29	27	24	19	29	28	24	19	29	28	24	19	29	28	24	19	29	28	24	19	27	26	22	18
		KW	2.26	2.31	2.39	2.46	2.44	2.49	2.57	2.66	2.60	2.65	2.74	2.83	2.73	2.80	2.89	2.99	2.85	2.92	3.02	3.12	2.95	3.02	3.12	3.23
		AMPS	10.9	11.1	11.4	11.7	11.6	11.8	12.1	12.5	12.4	12.7	13.0	13.4	13.1	13.4	13.8	14.2	13.8	14.1	14.6	15.0	14.6	14.9	15.3	15.8
		HI PR	232	250	264	275	261	280	296	309	296	319	337	351	338	363	384	400	380	409	432	450	420	452	477	497
		LO PR	103	110	120	127	109	116	126	135	113	120	131	140	119	126	138	147	125	133	145	154	129	137	150	159

NOTE: Shaded area reflects AHRI rating conditions

85	1125	MBh	36.2	36.9	38.7	41.3	35.4	36.1	37.8	40.3	34.5	35.2	36.9	39.3	33.7	34.4	36.0	38.4	32.0	32.6	34.2	36.5	29.7	30.2	31.7	33.8
		S/T	0.93	0.89	0.81	0.65	0.96	0.93	0.83	0.68	0.98	0.95	0.86	0.69	1.00	0.98	0.88	0.72	1.00	1.00	0.92	0.74	1.00	1.00	0.92	0.75
		Delta T	27	27	25	22	28	27	26	22	28	27	26	22	28	27	26	22	26	27	26	22	24	25	24	21
		KW	2.34	2.39	2.47	2.55	2.53	2.58	2.67	2.76	2.69	2.75	2.84	2.94	2.84	2.90	3.00	3.10	2.96	3.03	3.13	3.24	3.07	3.14	3.24	3.36
		AMPS	11.2	11.4	11.7	12.1	12.0	12.2	12.5	12.9	12.8	13.1	13.5	13.9	13.6	13.9	14.3	14.7	14.3	14.6	15.1	15.6	15.1	15.4	15.9	16.4
		HI PR	243	261	276	288	272	293	309	323	310	333	352	367	353	379	401	418	397	427	451	470	438	472	498	519
		LO PR	108	115	125	133	114	121	132	141	118	126	137	146	124	132	144	154	130	138	151	161	135	143	156	166
	1055	MBh	35.9	36.6	38.3	40.9	35.0	35.7	37.4	39.9	34.2	34.9	36.5	39.0	33.4	34.0	35.6	38.0	31.7	32.3	33.8	36.1	29.4	29.9	31.3	33.4
		S/T	0.91	0.88	0.79	0.64	0.94	0.91	0.82	0.66	0.96	0.93	0.84	0.68	1.00	0.96	0.87	0.70	1.00	1.00	0.90	0.73	1.00	1.00	0.91	0.74
		Delta T	28	28	26	23	29	28	27	23	29	28	27	23	29	28	27	23	28	28	27	23	26	26	25	21
		KW	2.34	2.39	2.47	2.55	2.52	2.58	2.66	2.75	2.69	2.75	2.84	2.93	2.83	2.89	2.99	3.09	2.95	3.02	3.12	3.23	3.06	3.13	3.23	3.35
		AMPS	11.2	11.4	11.7	12.1	11.9	12.2	12.5	12.9	12.8	13.1	13.4	13.9	13.6	13.8	14.2	14.7	14.3	14.6	15.0	15.5	15.0	15.4	15.8	16.4
		HI PR	242	260	275	287	271	292	308	322	309	332	351	366	352	378	399	417	395	426	449	469	437	470	497	518
		LO PR	107	114	125	133	113	121	132	140	118	125	137	146	124	132	144	153	130	138	151	160	134	143	156	166
	875	MBh	33.1	33.7	35.3	37.7	32.3	33.0	34.5	36.8	31.6	32.2	33.7	36.0	30.8	31.4	32.9	35.1	29.3	29.8	31.2	33.3	27.1	27.6	28.9	30.9
		S/T	0.87	0.84	0.76	0.62	0.91	0.87	0.79	0.64	0.93	0.90	0.81	0.66	0.96	0.93	0.84	0.68	1.00	0.96	0.87	0.70	1.00	0.97	0.87	0.71
		Delta T	30	30	28	24	31	30	29	25	31	30	29	25	31	31	29	25	31	30	28	25	28	28	27	23
		KW	2.28	2.33	2.40	2.48	2.46	2.51	2.60	2.68	2.62	2.68	2.77	2.86	2.76	2.82	2.91	3.01	2.88	2.94	3.04	3.15	2.98	3.05	3.15	3.26
		AMPS	10.9	11.1	11.5	11.8	11.7	11.9	12.2	12.6	12.5	12.8	13.1	13.5	13.2	13.5	13.9	14.3	14.0	14.3	14.7	15.2	14.7	15.0	15.4	15.9
		HI PR	235	252	267	278	263	283	299	312	299	322	340	355	341	367	387	404	384	413	436	455	424	456	482	502
		LO PR	104	111	121	129	110	117	128	136	114	122	133	141	120	128	139	149	126	134	146	156	130	138	151	161

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is AHRI Rating Conditions

KW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

AMPS: Unit amps (comp.+ evaporator + condenser fan motors)

MODEL: *PG154211541A*

EXPANDED PERFORMANCE DATA

COOLING OPERATION

Design Subcooling,10 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 6°F @ the compressor suction access fitting connection.

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1350	MBh	39.7	41.1	45.1	-	38.8	40.2	44.0	-	37.8	39.2	43.0	-	36.9	38.3	41.9	-	35.1	36.4	39.8	-	32.5	33.7	36.9	-
		S/T	0.75	0.62	0.43	-	0.77	0.65	0.45	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.85	0.71	0.49	-	0.86	0.71	0.50	-
		Delta T	20	17	13	-	20	18	13	-	20	18	13	-	21	18	14	-	20	18	13	-	19	16	12	-
		KW	2.58	2.63	2.71	-	2.77	2.83	2.92	-	2.94	3.01	3.10	-	3.09	3.16	3.26	-	3.22	3.29	3.40	-	3.33	3.41	3.52	-
		AMPS	11.3	11.6	11.9	-	12.1	12.4	12.8	-	13.1	13.4	13.8	-	13.9	14.2	14.6	-	14.7	15.0	15.5	-	15.5	15.8	16.3	-
		HI PR	226	243	257	-	253	273	288	-	288	310	327	-	328	353	373	-	369	397	420	-	408	439	464	-
		LO PR	112	119	130	-	118	126	137	-	123	131	143	-	129	137	150	-	135	144	157	-	140	149	162	-
	1200	MBh	38.5	39.9	43.8	-	37.6	39.0	42.7	-	36.7	38.1	41.7	-	35.8	37.1	40.7	-	34.1	35.3	38.7	-	31.5	32.7	35.8	-
		S/T	0.71	0.59	0.41	-	0.74	0.62	0.43	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.68	0.47	-	0.82	0.68	0.47	-
		Delta T	21	18	14	-	21	18	14	-	21	18	14	-	21	19	14	-	21	18	14	-	20	17	13	-
		KW	2.56	2.61	2.69	-	2.75	2.81	2.90	-	2.92	2.98	3.08	-	3.07	3.14	3.24	-	3.20	3.27	3.37	-	3.31	3.38	3.49	-
		AMPS	11.2	11.5	11.8	-	12.0	12.3	12.7	-	13.0	13.3	13.7	-	13.8	14.1	14.5	-	14.6	14.9	15.4	-	15.4	15.7	16.2	-
		HI PR	224	241	254	-	251	270	285	-	285	307	324	-	325	350	369	-	366	393	415	-	404	435	459	-
		LO PR	111	118	129	-	117	124	136	-	122	129	141	-	128	136	148	-	134	142	155	-	138	147	161	-
	1050	MBh	35.6	36.9	40.4	-	34.7	36.0	39.4	-	33.9	35.1	38.5	-	33.1	34.3	37.6	-	31.4	32.6	35.7	-	29.1	30.2	33.1	-
		S/T	0.69	0.57	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.79	0.66	0.46	-
		Delta T	21	18	14	-	22	19	14	-	22	19	14	-	22	19	14	-	21	19	14	-	20	17	13	-
		KW	2.50	2.55	2.63	-	2.68	2.74	2.83	-	2.85	2.91	3.00	-	2.99	3.06	3.16	-	3.12	3.19	3.29	-	3.22	3.29	3.40	-
		AMPS	11.0	11.2	11.5	-	11.8	12.0	12.4	-	12.7	12.9	13.3	-	13.4	13.7	14.1	-	14.2	14.5	15.0	-	15.0	15.3	15.8	-
		HI PR	217	233	246	-	243	262	276	-	277	298	314	-	315	339	358	-	355	382	403	-	392	422	445	-
		LO PR	107	114	125	-	113	121	132	-	118	125	137	-	124	132	144	-	130	138	151	-	134	143	156	-
75	1350	MBh	40.4	41.6	45.0	48.3	39.4	40.6	43.9	47.2	38.5	39.6	42.9	46.0	37.5	**38.7**	41.8	44.9	35.7	36.7	39.7	42.7	33.0	34.0	36.8	39.5
		S/T	0.85	0.76	0.57	0.37	0.88	0.79	0.59	0.38	0.90	0.81	0.61	0.39	0.93	**0.83**	0.63	0.40	0.96	0.86	0.65	0.42	0.97	0.87	0.66	0.42
		Delta T	23	21	18	12	24	22	18	12	24	22	18	12	24	**22**	18	12	23	22	18	12	22	20	17	11
		KW	2.60	2.65	2.73	2.82	2.79	2.85	2.94	3.04	2.97	3.03	3.13	3.23	3.12	**3.19**	3.29	3.40	3.25	3.32	3.43	3.54	3.36	3.44	3.55	3.67
		AMPS	11.4	11.7	12.0	12.4	12.2	12.5	12.9	13.3	13.2	13.5	13.9	14.4	14.0	**14.3**	14.8	15.3	14.8	15.2	15.6	16.2	15.6	16.0	16.5	17.1
		HI PR	228	245	259	270	256	275	291	303	291	313	331	345	332	**357**	377	393	373	401	424	442	412	443	468	488
		LO PR	113	120	131	140	119	127	139	148	124	132	144	153	130	**139**	151	161	137	145	159	169	141	150	164	175
	1200	MBh	39.2	40.3	43.7	46.9	38.3	39.4	42.7	45.8	37.4	38.5	41.6	44.7	36.5	**37.5**	40.6	43.6	34.6	35.7	38.6	41.4	32.1	33.0	35.7	38.4
		S/T	0.81	0.72	0.55	0.35	0.84	0.75	0.57	0.36	0.86	0.77	0.58	0.37	0.89	**0.79**	0.60	0.39	0.92	0.82	0.62	0.40	0.93	0.83	0.63	0.40
		Delta T	24	22	18	13	25	23	19	13	25	23	19	13	25	**23**	19	13	24	22	18	13	23	21	17	12
		KW	2.58	2.63	2.71	2.80	2.77	2.83	2.92	3.01	2.94	3.01	3.10	3.20	3.09	**3.16**	3.26	3.37	3.22	3.29	3.40	3.51	3.33	3.41	3.52	3.64
		AMPS	11.3	11.6	11.9	12.3	12.1	12.4	12.8	13.2	13.1	13.4	13.8	14.2	13.9	**14.2**	14.6	15.1	14.7	15.0	15.5	16.0	15.5	15.9	16.3	16.9
		HI PR	226	243	257	268	253	273	288	300	288	310	327	342	328	**353**	373	389	369	397	420	438	408	439	464	484
		LO PR	112	119	130	138	118	126	137	146	123	131	143	152	129	**137**	150	160	135	144	157	167	140	149	162	173
	1050	MBh	36.2	37.2	40.3	43.3	35.3	36.4	39.4	42.3	34.5	35.5	38.4	41.2	33.6	**34.6**	37.5	40.2	32.0	32.9	35.6	38.2	29.6	30.5	33.0	35.4
		S/T	0.78	0.70	0.53	0.34	0.81	0.72	0.55	0.35	0.83	0.74	0.56	0.36	0.85	**0.76**	0.58	0.37	0.89	0.79	0.60	0.39	0.89	0.80	0.61	0.39
		Delta T	25	23	19	13	25	23	19	13	25	23	19	13	25	**23**	19	13	25	23	19	13	23	21	17	12
		KW	2.52	2.57	2.65	2.73	2.71	2.76	2.85	2.94	2.87	2.93	3.03	3.12	3.02	**3.08**	3.18	3.29	3.14	3.21	3.32	3.43	3.25	3.32	3.43	3.55
		AMPS	11.1	11.3	11.6	12.0	11.8	12.1	12.5	12.9	12.8	13.0	13.4	13.9	13.5	**13.8**	14.3	14.8	14.3	14.6	15.1	15.6	15.1	15.4	15.9	16.5
		HI PR	219	236	249	260	246	265	279	291	280	301	318	331	318	**343**	362	377	358	385	407	425	396	426	450	469
		LO PR	108	115	126	134	115	122	133	142	119	127	138	147	125	**133**	145	155	131	140	152	162	136	144	158	168

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ACCA (TVA) conditions

KW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

AMPS: Unit amps (comp.+ evaporator + condenser fan motors)

MODEL: *PG154211541A*

EXPANDED PERFORMANCE DATA

COOLING OPERATION

Design Subcooling,10 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 6°F @ the compressor suction access fitting connection.

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1350	MBh	41.1	42.0	44.8	47.9	40.1	41.0	43.8	46.8	39.2	40.0	42.8	45.7	38.2	39.0	41.7	44.6	36.3	37.1	39.6	42.4	33.6	34.4	36.7	39.2
		S/T	0.93	0.87	0.71	0.53	0.96	0.90	0.74	0.55	1.00	0.93	0.75	0.56	1.00	0.96	0.78	0.58	1.00	1.00	0.81	0.60	1.00	1.00	0.81	0.61
		Delta T	26	25	22	17	26	25	22	18	27	25	22	18	26	25	22	18	25	25	22	17	23	23	20	16
		KW	2.62	2.67	2.76	2.84	2.82	2.88	2.97	3.06	2.99	3.06	3.15	3.26	3.15	3.21	3.32	3.43	3.28	3.35	3.46	3.57	3.39	3.46	3.58	3.70
		AMPS	11.5	11.8	12.1	12.5	12.3	12.6	13.0	13.4	13.3	13.6	14.0	14.5	14.1	14.4	14.9	15.4	15.0	15.3	15.8	16.3	15.8	16.1	16.6	17.2
		HI PR	230	248	262	273	259	278	294	306	294	316	334	348	335	360	381	397	377	405	428	446	416	448	473	493
		LO PR	114	121	133	141	121	128	140	149	125	133	146	155	132	140	153	163	138	147	160	171	143	152	166	176
	1200	MBh	39.9	40.8	43.5	46.5	39.0	39.8	42.5	45.5	38.0	38.9	41.5	44.4	37.1	37.9	**40.5**	43.3	35.2	36.0	38.5	41.1	32.6	33.4	35.6	38.1
		S/T	0.89	0.83	0.68	0.51	0.92	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.97	0.91	**0.74**	0.55	1.00	0.95	0.77	0.58	1.00	0.95	0.78	0.58
		Delta T	27	26	23	18	27	26	23	18	27	26	23	18	28	26	**23**	18	27	26	23	18	25	24	21	17
		KW	2.60	2.65	2.73	2.82	2.79	2.85	2.94	3.04	2.97	3.03	3.13	3.23	3.12	3.19	**3.29**	3.40	3.25	3.32	3.43	3.54	3.36	3.44	3.55	3.67
		AMPS	11.4	11.7	12.0	12.4	12.2	12.5	12.9	13.3	13.2	13.5	13.9	14.4	14.0	14.3	**14.8**	15.3	14.8	15.2	15.6	16.2	15.6	16.0	16.5	17.1
		HI PR	228	245	259	270	256	275	291	303	291	313	331	345	332	357	**377**	393	373	401	424	442	412	443	468	488
		LO PR	113	120	131	140	119	127	139	148	124	132	144	153	130	139	**151**	161	137	145	159	169	141	150	164	175
	1050	MBh	36.8	37.6	40.2	43.0	36.0	36.7	39.3	42.0	35.1	35.9	38.3	41.0	34.2	35.0	37.4	40.0	32.5	33.2	35.5	38.0	30.1	30.8	32.9	35.2
		S/T	0.85	0.80	0.65	0.49	0.89	0.83	0.68	0.51	0.91	0.85	0.69	0.52	0.94	0.88	0.72	0.53	0.97	0.91	0.74	0.56	0.98	0.92	0.75	0.56
		Delta T	28	26	23	18	28	27	23	19	28	27	23	19	28	27	23	19	28	27	23	18	26	25	22	17
		KW	2.54	2.59	2.67	2.75	2.73	2.78	2.87	2.96	2.90	2.96	3.05	3.15	3.04	3.11	3.21	3.31	3.17	3.24	3.34	3.45	3.28	3.35	3.46	3.58
		AMPS	11.1	11.4	11.7	12.1	11.9	12.2	12.6	13.0	12.9	13.1	13.5	14.0	13.7	14.0	14.4	14.9	14.5	14.8	15.2	15.8	15.2	15.6	16.1	16.6
		HI PR	221	238	251	262	248	267	282	294	282	304	321	335	322	346	365	381	362	389	411	429	400	430	454	474
		LO PR	110	117	127	136	116	123	134	143	120	128	140	149	126	134	147	156	132	141	154	164	137	146	159	169

NOTE: Shaded area reflects AHRI rating conditions

85	1350	MBh	41.8	42.6	44.6	47.6	40.8	41.6	43.6	46.5	39.9	40.6	42.5	45.4	38.9	39.6	41.5	44.3	36.9	37.6	39.4	42.1	34.2	34.9	36.5	39.0
		S/T	0.97	0.94	0.85	0.69	1.00	0.97	0.88	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.93	0.76	1.00	1.00	0.97	0.78	1.00	1.00	0.97	0.79
		Delta T	28	27	26	22	28	28	26	23	27	28	26	23	26	27	26	23	25	26	26	22	23	24	24	21
		KW	2.64	2.69	2.78	2.87	2.84	2.90	2.99	3.09	3.02	3.08	3.18	3.28	3.17	3.24	3.35	3.46	3.30	3.38	3.49	3.60	3.42	3.49	3.61	3.73
		AMPS	11.6	11.9	12.2	12.6	12.4	12.7	13.1	13.5	13.4	13.7	14.1	14.6	14.2	14.6	15.0	15.5	15.1	15.4	15.9	16.5	15.9	16.3	16.8	17.4
		HI PR	233	250	264	276	261	281	297	309	297	320	337	352	338	364	384	401	380	409	432	451	420	452	478	498
		LO PR	115	123	134	143	122	130	141	151	127	135	147	157	133	141	154	164	139	148	162	172	144	153	167	178
	1200	MBh	40.6	41.4	43.3	46.2	39.6	40.4	42.3	45.1	38.7	39.4	41.3	44.1	37.7	38.5	40.3	43.0	35.9	36.6	38.3	40.8	33.2	33.9	35.5	37.8
		S/T	0.93	0.90	0.81	0.66	0.96	0.93	0.84	0.68	0.99	0.95	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.93	0.75
		Delta T	29	28	27	23	29	29	27	24	29	29	27	24	29	29	27	24	27	28	27	23	25	26	25	22
		KW	2.62	2.67	2.76	2.84	2.82	2.88	2.97	3.06	2.99	3.06	3.15	3.26	3.15	3.21	3.32	3.43	3.28	3.35	3.46	3.57	3.39	3.46	3.58	3.70
		AMPS	11.5	11.8	12.1	12.5	12.3	12.6	13.0	13.4	13.3	13.6	14.0	14.5	14.1	14.4	14.9	15.4	15.0	15.3	15.8	16.3	15.8	16.1	16.6	17.2
		HI PR	230	248	262	273	259	278	294	306	294	316	334	348	335	360	381	397	377	405	428	446	416	448	473	493
		LO PR	114	121	133	141	121	128	140	149	125	133	146	155	132	140	153	163	138	147	160	171	143	152	166	176
	1050	MBh	37.5	38.2	40.0	42.7	36.6	37.3	39.1	41.7	35.7	36.4	38.1	40.7	34.8	35.5	37.2	39.7	33.1	33.7	35.3	37.7	30.7	31.3	32.7	34.9
		S/T	0.90	0.86	0.78	0.63	0.93	0.90	0.81	0.66	0.95	0.92	0.83	0.67	0.98	0.95	0.86	0.69	1.00	0.98	0.89	0.72	1.00	0.99	0.90	0.73
		Delta T	29	29	27	24	30	29	28	24	30	29	28	24	30	29	28	24	29	29	27	24	27	27	26	22
		KW	2.56	2.61	2.69	2.77	2.75	2.81	2.89	2.99	2.92	2.98	3.08	3.18	3.07	3.13	3.24	3.34	3.20	3.27	3.37	3.48	3.31	3.38	3.49	3.61
		AMPS	11.2	11.5	11.8	12.2	12.0	12.3	12.7	13.1	13.0	13.3	13.6	14.1	13.8	14.1	14.5	15.0	14.6	14.9	15.4	15.9	15.4	15.7	16.2	16.8
		HI PR	223	240	254	265	251	270	285	297	285	307	324	338	325	350	369	385	365	393	415	433	404	434	459	479
		LO PR	111	118	129	137	117	124	136	145	122	129	141	150	128	136	148	158	134	142	155	165	138	147	161	171

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is AHRI Rating Conditions

KW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

AMPS: Unit amps (comp.+ evaporator + condenser fan motors)

MODEL: *PG1548*41A*** # EXPANDED PERFORMANCE DATA **COOLING OPERATION**

Design Subcooling, 15°F ± 3 @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 9°F ± 3 @ the compressor suction access fitting connection.

		Outdoor Ambient Temperature																							
		65				75				85				95				105				115			
		Entering Indoor Wet Bulb Temperature																							
Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
1238	MBh	34.3	35.5	38.9	-	33.5	34.7	38.0	-	32.7	33.9	37.1	-	31.9	33.1	36.2	-	30.3	31.4	34.4	-	28.1	29.1	31.9	-
	S/T	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.82	0.69	0.48	-	0.85	0.71	0.49	-	0.88	0.74	0.51	-	0.89	0.74	0.51	-
	Delta T	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	19	16	12	-
	KW	2.31	2.35	2.42	-	2.47	2.52	2.60	-	2.62	2.67	2.76	-	2.75	2.81	2.89	-	2.86	2.92	3.01	-	2.95	3.01	3.11	-
	AMPS	10.4	10.6	10.9	-	11.1	11.3	11.6	-	11.9	12.1	12.4	-	12.5	12.8	13.1	-	13.2	13.5	13.8	-	13.8	14.1	14.5	-
	HI PR	223	240	253	-	250	269	284	-	284	306	323	-	324	349	368	-	364	392	414	-	403	433	458	-
	LO PR	112	120	131	-	119	126	138	-	123	131	143	-	130	138	151	-	136	145	158	-	141	150	163	-
1100	MBh	33.3	34.5	37.8	-	32.5	33.7	36.9	-	31.7	32.9	36.1	-	31.0	32.1	35.2	-	29.4	30.5	33.4	-	27.3	28.3	31.0	-
	S/T	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.78	0.65	0.45	-	0.81	0.68	0.47	-	0.84	0.70	0.49	-	0.85	0.71	0.49	-
	Delta T	21	18	13	-	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	19	17	13	-
	KW	2.29	2.34	2.41	-	2.46	2.51	2.58	-	2.60	2.65	2.73	-	2.73	2.78	2.87	-	2.84	2.89	2.99	-	2.93	2.99	3.08	-
	AMPS	10.3	10.5	10.8	-	11.0	11.2	11.5	-	11.8	12.0	12.3	-	12.4	12.7	13.0	-	13.1	13.4	13.7	-	13.7	14.0	14.4	-
	HI PR	221	237	251	-	248	266	281	-	282	303	320	-	321	345	365	-	361	388	410	-	399	429	453	-
	LO PR	111	118	129	-	118	125	137	-	122	130	142	-	128	137	149	-	135	143	156	-	139	148	162	-
963	MBh	30.7	31.9	34.9	-	30.0	31.1	34.1	-	29.3	30.4	33.3	-	28.6	29.6	32.5	-	27.2	28.2	30.8	-	25.2	26.1	28.6	-
	S/T	0.71	0.59	0.41	-	0.74	0.62	0.43	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.68	0.47	-	0.82	0.68	0.47	-
	Delta T	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	20	17	13	-
	KW	2.24	2.29	2.35	-	2.40	2.45	2.52	-	2.54	2.59	2.67	-	2.66	2.72	2.80	-	2.77	2.83	2.91	-	2.86	2.92	3.01	-
	AMPS	10.1	10.3	10.6	-	10.8	11.0	11.3	-	11.5	11.7	12.0	-	12.1	12.4	12.7	-	12.8	13.0	13.4	-	13.4	13.7	14.1	-
	HI PR	214	230	243	-	240	258	273	-	273	294	310	-	311	335	354	-	350	377	398	-	387	416	439	-
	LO PR	108	115	125	-	114	121	132	-	119	126	138	-	125	132	145	-	131	139	152	-	135	144	157	-

1238	MBh	34.9	35.9	38.9	41.7	34.1	35.1	38.0	40.7	33.3	34.2	37.1	39.8	32.4	**33.4**	36.2	38.8	30.8	31.7	34.4	36.9	28.6	29.4	31.8	34.2
	S/T	0.88	0.79	0.60	0.38	0.91	0.81	0.62	0.40	0.93	0.84	0.63	0.41	0.96	**0.86**	0.65	0.42	1.00	0.90	0.68	0.44	1.00	0.90	0.68	0.44
	Delta T	23	21	17	12	23	21	17	12	23	21	17	12	23	**21**	18	12	23	21	17	12	21	20	16	11
	KW	2.33	2.37	2.44	2.52	2.49	2.54	2.62	2.70	2.64	2.69	2.78	2.86	2.77	**2.83**	2.92	3.01	2.88	2.94	3.03	3.13	2.98	3.04	3.14	3.24
	AMPS	10.5	10.7	11.0	11.3	11.2	11.4	11.7	12.0	11.9	12.2	12.5	12.9	12.6	**12.9**	13.2	13.7	13.3	13.6	13.9	14.4	14.0	14.2	14.7	15.1
	HI PR	225	242	256	267	253	272	287	299	287	309	327	341	327	**352**	372	388	368	396	418	436	407	438	462	482
	LO PR	114	121	132	140	120	128	139	148	125	133	145	154	131	**139**	152	162	137	146	159	170	142	151	165	176
1100	MBh	33.9	34.9	37.7	40.5	33.1	34.1	36.9	39.6	32.3	33.2	36.0	38.6	31.5	**32.4**	35.1	37.7	29.9	30.8	33.3	35.8	27.7	28.5	30.9	33.2
	S/T	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.89	0.80	0.60	0.39	0.92	**0.82**	0.62	0.40	0.95	0.85	0.65	0.42	0.96	0.86	0.65	0.42
	Delta T	24	22	18	12	24	22	18	13	24	22	18	13	24	**22**	18	13	24	22	18	12	22	21	17	12
	KW	2.31	2.36	2.42	2.50	2.47	2.52	2.60	2.68	2.62	2.67	2.76	2.84	2.75	**2.81**	2.89	2.98	2.86	2.92	3.01	3.11	2.95	3.01	3.11	3.21
	AMPS	10.4	10.6	10.9	11.2	11.1	11.3	11.6	12.0	11.9	12.1	12.4	12.8	12.5	**12.8**	13.1	13.5	13.2	13.5	13.8	14.3	13.8	14.1	14.5	15.0
	HI PR	223	240	253	264	250	269	284	296	285	306	323	337	324	**349**	368	384	365	392	414	432	403	433	458	477
	LO PR	112	120	131	139	119	126	138	147	123	131	143	153	130	**138**	151	160	136	145	158	168	141	150	163	174
963	MBh	31.3	32.2	34.8	37.4	30.5	31.4	34.0	36.5	29.8	30.7	33.2	35.6	29.1	**29.9**	32.4	34.8	27.6	28.4	30.8	33.0	25.6	26.3	28.5	30.6
	S/T	0.81	0.72	0.55	0.35	0.84	0.75	0.57	0.36	0.86	0.77	0.58	0.37	0.89	**0.79**	0.60	0.39	0.92	0.82	0.62	0.40	0.93	0.83	0.63	0.40
	Delta T	24	22	18	13	24	22	18	13	24	23	18	13	25	**23**	19	13	24	22	18	13	23	21	17	12
	KW	2.26	2.30	2.37	2.44	2.42	2.47	2.54	2.62	2.56	2.61	2.69	2.77	2.68	**2.74**	2.82	2.91	2.79	2.85	2.94	3.03	2.88	2.94	3.03	3.13
	AMPS	10.2	10.4	10.6	11.0	10.8	11.0	11.3	11.7	11.6	11.8	12.1	12.5	12.2	**12.5**	12.8	13.2	12.9	13.1	13.5	13.9	13.5	13.8	14.2	14.7
	HI PR	216	233	246	256	243	261	276	288	276	297	314	327	314	**338**	357	373	354	381	402	419	391	420	444	463
	LO PR	109	116	127	135	115	123	134	143	120	127	139	148	126	**134**	146	156	132	140	153	163	136	145	158	169

Entering Indoor Dry Bulb Temperature NOTE: Shaded area is ACCA (TVA) conditions KW = Total system power

High and low pressures are measured at the liquid and suction access fittings. AMPS: Unit amps (comp.+ evaporator + condenser fan motors)

MODEL: *PG1548***41A* EXPANDED PERFORMANCE DATA COOLING OPERATION

Design Subcooling, 15°F ± 3 @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 9°F ± 3 @ the compressor suction access fitting connection.

		Outdoor Ambient Temperature																							
		65				75				85				95				105				115			
		Entering Indoor Wet Bulb Temperature																							
Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
1238	MBh	35.5	36.3	38.8	41.4	34.7	35.4	37.9	40.5	33.8	34.6	37.0	39.5	33.0	33.7	36.1	38.5	31.4	32.1	34.2	36.6	29.1	29.7	31.7	33.9
	S/T	0.96	0.90	0.74	0.55	1.00	0.94	0.76	0.57	1.00	0.96	0.78	0.58	1.00	1.00	0.81	0.60	1.00	1.00	0.84	0.63	1.00	1.00	0.84	0.63
	Delta T	25	24	21	17	26	25	21	17	25	25	21	17	25	25	22	17	23	24	21	17	22	22	20	16
	KW	2.34	2.39	2.46	2.54	2.51	2.56	2.64	2.72	2.66	2.72	2.80	2.89	2.79	2.85	2.94	3.03	2.90	2.96	3.06	3.16	3.00	3.06	3.16	3.26
	AMPS	10.6	10.8	11.0	11.4	11.2	11.5	11.8	12.1	12.0	12.3	12.6	13.0	12.7	13.0	13.3	13.8	13.4	13.7	14.1	14.5	14.1	14.4	14.8	15.3
	HI PR	227	245	258	270	255	275	290	302	290	312	330	344	331	356	376	392	372	400	423	441	411	442	467	487
	LO PR	115	122	133	142	121	129	141	150	126	134	146	156	132	141	154	164	139	148	161	172	143	153	167	177
1100	MBh	34.5	35.2	37.6	40.2	33.7	34.4	36.8	39.3	32.9	33.6	35.9	38.4	32.1	32.8	**35.0**	37.4	30.5	31.1	33.3	35.5	28.2	28.8	30.8	32.9
	S/T	0.92	0.86	0.70	0.52	0.95	0.89	0.73	0.54	0.98	0.92	0.75	0.56	1.00	0.95	**0.77**	0.58	1.00	0.98	0.80	0.60	1.00	0.99	0.81	0.60
	Delta T	26	25	22	18	27	26	22	18	27	26	22	18	27	26	**23**	18	25	26	22	18	24	24	21	17
	KW	2.33	2.37	2.44	2.52	2.49	2.54	2.62	2.70	2.64	2.69	2.78	2.86	2.77	2.83	**2.92**	3.01	2.88	2.94	3.03	3.13	2.98	3.04	3.14	3.24
	AMPS	10.5	10.7	11.0	11.3	11.2	11.4	11.7	12.0	11.9	12.2	12.5	12.9	12.6	12.9	**13.2**	13.7	13.3	13.6	14.0	14.4	14.0	14.2	14.7	15.1
	HI PR	225	242	256	267	253	272	287	299	287	309	327	341	327	352	**372**	388	368	396	418	436	407	438	462	482
	LO PR	114	121	132	140	120	128	139	148	125	133	145	154	131	139	**152**	162	137	146	159	170	142	151	165	176
963	MBh	31.8	32.5	34.7	37.1	31.1	31.7	33.9	36.3	30.3	31.0	33.1	35.4	29.6	30.2	32.3	34.5	28.1	28.7	30.7	32.8	26.0	26.6	28.4	30.4
	S/T	0.89	0.83	0.68	0.51	0.92	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.97	0.91	0.74	0.55	1.01	0.95	0.77	0.58	1.02	0.95	0.78	0.58
	Delta T	27	26	22	18	27	26	23	18	27	26	23	18	27	26	23	18	27	26	23	18	25	24	21	17
	KW	2.28	2.32	2.39	2.46	2.44	2.49	2.56	2.64	2.58	2.63	2.71	2.80	2.71	2.76	2.85	2.94	2.81	2.87	2.96	3.06	2.90	2.97	3.06	3.16
	AMPS	10.3	10.5	10.7	11.0	10.9	11.1	11.4	11.8	11.7	11.9	12.2	12.6	12.3	12.6	12.9	13.3	13.0	13.2	13.6	14.1	13.6	13.9	14.3	14.8
	HI PR	218	235	248	259	245	264	279	291	279	300	317	330	317	342	361	376	357	384	406	423	395	425	448	468
	LO PR	110	117	128	136	116	124	135	144	121	129	141	150	127	135	148	157	133	142	155	165	138	147	160	170
1238	MBh	36.1	36.8	38.6	41.1	35.3	36.0	37.7	40.2	34.4	35.1	36.8	39.2	33.6	34.2	35.9	38.3	31.9	32.5	34.1	36.4	29.6	30.1	31.6	33.7
	S/T	1.00	0.98	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.97	0.78	1.00	1.00	1.00	0.81	1.00	1.00	1.00	0.82
	Delta T	27	27	25	22	26	27	26	22	26	26	26	22	25	25	26	22	24	24	25	22	22	22	23	21
	KW	2.36	2.41	2.48	2.55	2.53	2.58	2.66	2.74	2.68	2.74	2.82	2.91	2.81	2.87	2.96	3.06	2.93	2.99	3.08	3.18	3.02	3.09	3.19	3.29
	AMPS	10.6	10.8	11.1	11.5	11.3	11.5	11.9	12.2	12.1	12.4	12.7	13.1	12.8	13.1	13.4	13.9	13.5	13.8	14.2	14.6	14.2	14.5	14.9	15.4
	HI PR	230	247	261	272	258	277	293	306	293	315	333	347	334	359	379	396	376	404	427	445	415	447	472	492
	LO PR	116	123	135	143	122	130	142	151	127	135	148	157	134	142	155	165	140	149	163	173	145	154	168	179
1100	MBh	35.1	35.7	37.4	39.9	34.3	34.9	36.6	39.0	33.4	34.1	35.7	38.1	32.6	33.3	34.8	37.2	31.0	31.6	33.1	35.3	28.7	29.3	30.6	32.7
	S/T	0.96	0.93	0.84	0.68	1.00	0.96	0.87	0.71	1.00	0.99	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.96	0.78	1.00	1.00	0.96	0.78
	Delta T	28	28	26	23	29	28	27	23	28	28	27	23	27	28	27	23	26	26	26	23	24	24	25	21
	KW	2.34	2.39	2.46	2.54	2.51	2.56	2.64	2.72	2.66	2.72	2.80	2.89	2.79	2.85	2.94	3.03	2.90	2.96	3.06	3.16	3.00	3.06	3.16	3.26
	AMPS	10.6	10.8	11.0	11.4	11.2	11.5	11.8	12.1	12.0	12.3	12.6	13.0	12.7	13.0	13.3	13.8	13.4	13.7	14.1	14.5	14.1	14.4	14.8	15.3
	HI PR	227	245	258	270	255	275	290	302	290	312	330	344	331	356	376	392	372	400	423	441	411	442	467	487
	LO PR	115	122	133	142	121	129	141	150	126	134	146	156	132	141	154	164	139	148	161	172	143	153	167	177
963	MBh	32.4	33.0	34.6	36.9	31.6	32.2	33.8	36.0	30.9	31.5	32.9	35.1	30.1	30.7	32.1	34.3	28.6	29.2	30.5	32.6	26.5	27.0	28.3	30.2
	S/T	0.93	0.90	0.81	0.66	0.96	0.93	0.84	0.68	0.99	0.95	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.93	0.75
	Delta T	29	28	27	23	29	29	27	23	29	29	27	23	29	29	27	24	27	28	27	23	25	26	25	22
	KW	2.29	2.34	2.41	2.48	2.46	2.50	2.58	2.66	2.60	2.65	2.73	2.82	2.73	2.78	2.87	2.96	2.83	2.89	2.98	3.08	2.93	2.99	3.08	3.18
	AMPS	10.3	10.5	10.8	11.1	11.0	11.2	11.5	11.9	11.8	12.0	12.3	12.7	12.4	12.7	13.0	13.4	13.1	13.4	13.7	14.2	13.7	14.0	14.4	14.9
	HI PR	221	237	251	261	248	266	281	293	282	303	320	334	321	345	364	380	361	388	410	428	399	429	453	472
	LO PR	111	118	129	138	118	125	137	145	122	130	142	151	128	137	149	159	135	143	156	166	139	148	162	172

Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is AHRI Rating Conditions

KW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

AMPS: Unit amps (comp.+ evaporator + condenser fan motors)

MODEL: *PG1548*41A***

EXPANDED PERFORMANCE DATA

COOLING OPERATION

Design Subcooling, 15°F ± 3 @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 9°F ± 3 @ the compressor suction access fitting connection.

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1699	MBh	46.5	48.2	52.9	-	45.5	47.1	51.6	-	44.4	46.0	50.4	-	43.3	44.9	49.2	-	41.1	42.6	46.7	-	38.1	39.5	43.3	-
		S/T	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.82	0.69	0.48	-	0.85	0.71	0.49	-	0.88	0.74	0.51	-	0.89	0.74	0.51	-
		Delta T	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	18	16	12	-
		KW	3.43	3.50	3.60	-	3.67	3.75	3.86	-	3.89	3.97	4.08	-	4.07	4.16	4.28	-	4.23	4.32	4.45	-	4.37	4.46	4.60	-
		AMPS	15.9	16.2	16.6	-	16.9	17.2	17.7	-	18.0	18.4	18.9	-	19.0	19.4	19.9	-	20.0	20.4	20.9	-	20.9	21.4	22.0	-
		HI PR	244	262	277	-	273	294	311	-	311	334	353	-	354	381	402	-	398	429	453	-	440	473	500	-
		LO PR	111	118	129	-	117	124	136	-	122	129	141	-	128	136	148	-	134	142	156	-	138	147	161	-
	1510	MBh	45.2	46.8	51.3	-	44.1	45.7	50.1	-	43.1	44.7	48.9	-	42.0	43.6	47.7	-	39.9	41.4	45.4	-	37.0	38.3	42.0	-
		S/T	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.78	0.65	0.45	-	0.81	0.68	0.47	-	0.84	0.70	0.49	-	0.85	0.71	0.49	-
		Delta T	20	18	13	-	21	18	13	-	21	18	14	-	21	18	14	-	20	18	13	-	19	17	13	-
		KW	3.41	3.48	3.58	-	3.65	3.72	3.83	-	3.86	3.94	4.05	-	4.04	4.13	4.25	-	4.20	4.29	4.42	-	4.34	4.43	4.57	-
		AMPS	15.8	16.1	16.5	-	16.8	17.1	17.5	-	17.9	18.2	18.7	-	18.9	19.2	19.8	-	19.8	20.2	20.8	-	20.8	21.2	21.8	-
		HI PR	241	259	274	-	271	291	307	-	308	331	350	-	350	377	398	-	394	424	448	-	436	469	495	-
		LO PR	110	117	127	-	116	123	135	-	120	128	140	-	126	135	147	-	133	141	154	-	137	146	159	-
	1321	MBh	41.7	43.2	47.4	-	40.7	42.2	46.3	-	39.8	41.2	45.2	-	38.8	40.2	44.1	-	36.9	38.2	41.9	-	34.1	35.4	38.8	-
		S/T	0.71	0.59	0.41	-	0.74	0.62	0.43	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.68	0.47	-	0.82	0.68	0.47	-
		Delta T	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	19	17	13	-
		KW	3.34	3.40	3.50	-	3.57	3.64	3.74	-	3.77	3.85	3.96	-	3.95	4.03	4.15	-	4.10	4.19	4.32	-	4.24	4.32	4.46	-
		AMPS	15.5	15.8	16.2	-	16.4	16.7	17.2	-	17.5	17.9	18.3	-	18.5	18.8	19.3	-	19.4	19.8	20.3	-	20.3	20.7	21.3	-
		HI PR	234	252	266	-	262	282	298	-	298	321	339	-	340	366	386	-	382	412	435	-	423	455	480	-
		LO PR	106	113	124	-	112	120	131	-	117	124	136	-	123	131	143	-	129	137	149	-	133	141	154	-
75	1699	MBh	47.3	48.7	52.8	56.6	46.2	47.6	51.5	55.3	45.1	46.5	50.3	54.0	44.0	**45.3**	49.1	52.7	41.8	43.1	46.6	50.0	38.7	39.9	43.2	46.3
		S/T	0.88	0.79	0.60	0.38	0.91	0.81	0.62	0.40	0.93	0.84	0.63	0.41	0.96	**0.86**	0.65	0.42	1.00	0.90	0.68	0.44	1.00	0.90	0.68	0.44
		Delta T	23	21	17	12	23	21	17	12	23	21	17	12	23	**21**	17	12	23	21	17	12	21	19	16	11
		KW	3.46	3.53	3.63	3.74	3.70	3.78	3.89	4.01	3.92	4.00	4.12	4.24	4.11	**4.19**	4.32	4.45	4.27	4.36	4.49	4.63	4.41	4.50	4.64	4.79
		AMPS	16.0	16.3	16.7	17.2	17.0	17.3	17.8	18.3	18.2	18.5	19.0	19.6	19.2	**19.5**	20.0	20.7	20.1	20.5	21.1	21.7	21.1	21.5	22.1	22.8
		HI PR	246	265	280	292	276	297	314	327	314	338	357	372	358	**385**	406	424	402	433	457	477	444	478	505	527
		LO PR	112	119	130	138	118	126	137	146	123	131	143	152	129	**137**	150	160	135	144	157	167	140	149	162	173
	1510	MBh	46.0	47.3	51.2	55.0	44.9	46.2	50.0	53.7	43.8	45.1	48.8	52.4	42.8	**44.0**	47.6	51.1	40.6	41.8	45.3	48.6	37.6	38.7	41.9	45.0
		S/T	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.89	0.80	0.60	0.39	0.92	**0.82**	0.62	0.40	0.95	0.85	0.65	0.42	0.96	0.86	0.65	0.42
		Delta T	23	22	18	12	24	22	18	12	24	22	18	12	24	**22**	18	12	24	22	18	12	22	20	17	11
		KW	3.43	3.50	3.60	3.71	3.68	3.75	3.86	3.97	3.89	3.97	4.09	4.21	4.08	**4.16**	4.29	4.42	4.23	4.32	4.46	4.60	4.37	4.46	4.60	4.75
		AMPS	15.9	16.2	16.6	17.1	16.9	17.2	17.7	18.2	18.0	18.4	18.9	19.4	19.0	**19.4**	19.9	20.5	20.0	20.4	20.9	21.6	20.9	21.4	22.0	22.6
		HI PR	244	262	277	289	273	294	311	324	311	335	353	368	354	**381**	402	420	398	429	453	472	440	474	500	522
		LO PR	111	118	129	137	117	125	136	145	122	129	141	150	128	**136**	148	158	134	142	156	166	139	147	161	171
	1321	MBh	42.4	43.7	47.3	50.7	41.4	42.7	46.2	49.6	40.4	41.6	45.1	48.4	39.5	**40.6**	44.0	47.2	37.5	38.6	41.8	44.8	34.7	35.8	38.7	41.5
		S/T	0.81	0.72	0.55	0.35	0.84	0.75	0.57	0.36	0.86	0.77	0.58	0.37	0.89	**0.79**	0.60	0.39	0.92	0.82	0.62	0.40	0.93	0.83	0.63	0.40
		Delta T	24	22	18	12	24	22	18	13	24	22	18	13	24	**22**	18	13	24	22	18	13	22	21	17	12
		KW	3.36	3.42	3.52	3.63	3.59	3.66	3.77	3.88	3.80	3.88	3.99	4.11	3.98	**4.06**	4.19	4.31	4.14	4.22	4.35	4.49	4.27	4.36	4.49	4.63
		AMPS	15.6	15.9	16.3	16.7	16.6	16.9	17.3	17.8	17.7	18.0	18.5	19.0	18.6	**19.0**	19.5	20.0	19.5	19.9	20.5	21.1	20.5	20.9	21.5	22.1
		HI PR	236	254	268	280	265	285	301	314	302	324	343	357	343	**370**	390	407	386	416	439	458	427	459	485	506
		LO PR	107	114	125	133	114	121	132	140	118	126	137	146	124	**132**	144	153	130	138	151	161	134	143	156	166

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ACCA (TVA) conditions

KW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

AMPS: Unit amps (comp.+ evaporator + condenser fan motors)

MODEL: *PG1548*41A***

EXPANDED PERFORMANCE DATA

COOLING OPERATION

Design Subcooling, 15°F ± 3 @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 9°F ± 3 @ the compressor suction access fitting connection.

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1699	MBh	48.2	49.2	52.6	56.2	47.1	48.1	51.4	54.9	45.9	46.9	50.1	53.6	44.8	45.8	48.9	52.3	42.6	43.5	46.5	49.7	39.4	40.3	43.1	46.0
		S/T	0.96	0.90	0.74	0.55	1.00	0.94	0.76	0.57	1.00	0.96	0.78	0.58	1.00	1.00	0.81	0.60	1.00	1.00	0.84	0.63	1.00	1.00	0.84	0.63
		Delta T	25	24	21	17	25	24	21	17	25	24	21	17	24	25	21	17	23	24	21	17	21	22	20	16
		KW	3.48	3.55	3.66	3.76	3.73	3.80	3.92	4.04	3.95	4.03	4.15	4.28	4.14	4.22	4.35	4.49	4.30	4.39	4.53	4.67	4.44	4.53	4.68	4.82
		AMPS	16.2	16.5	16.9	17.3	17.2	17.5	17.9	18.4	18.3	18.7	19.1	19.7	19.3	19.7	20.2	20.8	20.3	20.7	21.3	21.9	21.3	21.7	22.3	23.0
		HI PR	249	267	282	295	279	300	317	330	317	341	360	376	361	389	410	428	406	437	462	482	449	483	510	532
		LO PR	113	120	131	140	119	127	139	148	124	132	144	154	130	139	151	161	137	145	159	169	141	150	164	175
	1510	MBh	46.8	47.8	51.1	54.6	45.7	46.7	49.9	53.3	44.6	45.6	48.7	52.0	43.5	44.5	**47.5**	50.8	41.3	42.2	45.1	48.2	38.3	39.1	41.8	44.7
		S/T	0.92	0.86	0.70	0.52	0.95	0.89	0.73	0.54	0.98	0.92	0.75	0.56	1.00	0.95	**0.77**	0.58	1.00	0.98	0.80	0.60	1.00	0.99	0.81	0.60
		Delta T	26	25	22	17	27	25	22	18	27	25	22	18	26	26	**22**	18	25	25	22	18	23	24	21	16
		KW	3.46	3.53	3.63	3.74	3.70	3.78	3.89	4.01	3.92	4.00	4.12	4.24	4.11	4.19	**4.32**	4.45	4.27	4.36	4.49	4.63	4.41	4.50	4.64	4.79
		AMPS	16.0	16.3	16.7	17.2	17.0	17.3	17.8	18.3	18.2	18.5	19.0	19.6	19.2	19.5	**20.0**	20.7	20.1	20.5	21.1	21.8	21.1	21.5	22.1	22.8
		HI PR	246	265	280	292	276	297	314	327	314	338	357	372	358	385	**406**	424	402	433	457	477	445	478	505	527
		LO PR	112	119	130	138	118	126	137	146	123	131	143	152	129	137	**150**	160	135	144	157	167	140	149	163	173
	1321	MBh	43.2	44.1	47.1	50.4	42.2	43.1	46.0	49.2	41.2	42.1	44.9	48.0	40.2	41.0	43.8	46.9	38.2	39.0	41.7	44.5	35.3	36.1	38.6	41.2
		S/T	0.89	0.83	0.68	0.51	0.92	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.97	0.91	0.74	0.55	1.01	0.95	0.77	0.58	1.02	0.95	0.78	0.58
		Delta T	27	26	22	18	27	26	22	18	27	26	22	18	27	26	23	18	27	26	22	18	25	24	21	17
		KW	3.38	3.45	3.55	3.65	3.62	3.69	3.80	3.91	3.83	3.91	4.02	4.14	4.01	4.09	4.22	4.35	4.17	4.25	4.38	4.52	4.30	4.39	4.53	4.67
		AMPS	15.7	16.0	16.4	16.9	16.7	17.0	17.4	17.9	17.8	18.1	18.6	19.1	18.7	19.1	19.6	20.2	19.7	20.1	20.6	21.3	20.6	21.0	21.6	22.3
		HI PR	239	257	271	283	268	288	304	317	305	328	346	361	347	373	394	411	390	420	443	463	431	464	490	511
		LO PR	109	115	126	134	115	122	133	142	119	127	138	147	125	133	145	155	131	140	152	162	136	144	158	168
85	1699	MBh	49.0	50.0	52.3	55.8	47.9	48.8	51.1	54.5	46.7	47.6	49.9	53.2	45.6	46.5	48.7	51.9	43.3	44.2	46.2	49.3	40.1	40.9	42.8	45.7
		S/T	1.00	0.98	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.97	0.78	1.00	1.00	1.00	0.81	1.00	1.00	1.00	0.82
		Delta T	27	26	25	22	26	26	25	22	25	26	25	22	25	25	25	22	23	24	25	22	22	22	23	20
		KW	3.51	3.58	3.68	3.79	3.76	3.83	3.95	4.07	3.98	4.06	4.18	4.31	4.17	4.26	4.39	4.52	4.33	4.42	4.56	4.71	4.48	4.57	4.71	4.86
		AMPS	16.3	16.6	17.0	17.5	17.3	17.6	18.0	18.6	18.4	18.8	19.3	19.9	19.4	19.8	20.3	21.0	20.4	20.8	21.4	22.1	21.4	21.9	22.5	23.2
		HI PR	251	270	285	297	282	303	320	334	320	345	364	380	365	393	415	432	410	442	466	486	453	488	515	537
		LO PR	114	121	133	141	121	128	140	149	125	133	146	155	132	140	153	163	138	147	160	171	143	152	166	177
	1510	MBh	47.6	48.5	50.8	54.2	46.5	47.4	49.6	52.9	45.4	46.3	48.4	51.7	44.3	45.1	47.3	50.4	42.1	42.9	44.9	47.9	39.0	39.7	41.6	44.4
		S/T	0.96	0.93	0.84	0.68	1.00	0.96	0.87	0.71	1.00	0.99	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.96	0.78	1.00	1.00	0.96	0.78
		Delta T	28	27	26	22	28	28	26	23	28	28	26	23	27	27	26	23	26	26	26	23	24	24	24	21
		KW	3.48	3.55	3.66	3.76	3.73	3.80	3.92	4.04	3.95	4.03	4.15	4.28	4.14	4.22	4.35	4.49	4.30	4.39	4.53	4.67	4.44	4.53	4.68	4.82
		AMPS	16.2	16.5	16.9	17.3	17.2	17.5	17.9	18.4	18.3	18.7	19.1	19.7	19.3	19.7	20.2	20.8	20.3	20.7	21.3	21.9	21.3	21.7	22.3	23.0
		HI PR	249	267	282	295	279	300	317	330	317	341	360	376	361	389	410	428	406	437	462	482	449	483	510	532
		LO PR	113	120	131	140	119	127	139	148	124	132	144	154	130	139	151	161	137	145	159	169	141	150	164	175
	1321	MBh	43.9	44.8	46.9	50.0	42.9	43.7	45.8	48.9	41.9	42.7	44.7	47.7	40.9	41.7	43.6	46.5	38.8	39.6	41.4	44.2	36.0	36.7	38.4	41.0
		S/T	0.93	0.90	0.81	0.66	0.96	0.93	0.84	0.68	0.99	0.95	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.93	0.75
		Delta T	28	28	26	23	29	28	27	23	29	28	27	23	28	29	27	23	27	28	27	23	25	26	25	21
		KW	3.41	3.47	3.57	3.68	3.65	3.72	3.83	3.94	3.86	3.93	4.05	4.18	4.04	4.13	4.25	4.38	4.20	4.29	4.42	4.56	4.34	4.43	4.56	4.71
		AMPS	15.8	16.1	16.5	17.0	16.8	17.1	17.5	18.0	17.9	18.2	18.7	19.3	18.9	19.2	19.7	20.3	19.8	20.2	20.8	21.4	20.8	21.2	21.8	22.5
		HI PR	241	259	274	286	270	291	307	321	308	331	350	365	350	377	398	415	394	424	448	467	436	469	495	516
		LO PR	110	117	127	136	116	123	135	143	120	128	140	149	126	135	147	156	133	141	154	164	137	146	159	170

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is AHRI Rating Conditions

KW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

AMPS: Unit amps (comp.+ evaporator + condenser fan motors)

1st Stage

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: *PG154911541A* Design Subcooling, 12 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 12°F @ the compressor suction access fitting connection.

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1350	MBh	34.0	35.2	38.6	-	33.2	34.4	37.7	-	32.4	33.6	36.8	-	31.6	32.8	35.9	-	30.0	31.1	34.1	-	27.8	28.8	31.6	-
		S/T	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.82	0.69	0.48	-	0.85	0.71	0.49	-	0.88	0.74	0.51	-	0.89	0.74	0.51	-
		Delta T	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
		KW	2.18	2.23	2.29	-	2.34	2.39	2.46	-	2.48	2.53	2.61	-	2.60	2.66	2.74	-	2.71	2.76	2.85	-	2.80	2.86	2.95	-
		AMPS	11.0	11.1	11.4	-	11.6	11.8	12.1	-	12.3	12.5	12.8	-	12.9	13.2	13.5	-	13.6	13.8	14.2	-	14.2	14.4	14.8	-
		HI PR	222	238	252	-	249	267	282	-	283	304	321	-	322	346	366	-	362	390	412	-	400	431	455	-
		LO PR	116	124	135	-	123	131	143	-	128	136	148	-	134	143	156	-	141	150	163	-	146	155	169	-
	1065	MBh	32.8	34.0	37.3	-	32.1	33.2	36.4	-	31.3	32.4	35.5	-	30.5	31.6	34.7	-	29.0	30.1	32.9	-	26.9	27.8	30.5	-
		S/T	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.84	0.70	0.48	-
		Delta T	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	19	17	13	-
		KW	2.15	2.19	2.26	-	2.30	2.35	2.42	-	2.44	2.49	2.57	-	2.56	2.61	2.70	-	2.66	2.72	2.81	-	2.75	2.81	2.90	-
		AMPS	10.8	11.0	11.3	-	11.4	11.6	11.9	-	12.1	12.4	12.7	-	12.8	13.0	13.3	-	13.4	13.6	14.0	-	14.0	14.2	14.6	-
		HI PR	217	234	247	-	244	262	277	-	277	298	315	-	316	340	359	-	355	382	404	-	392	422	446	-
		LO PR	114	121	133	-	121	128	140	-	125	133	146	-	132	140	153	-	138	147	160	-	143	152	166	-
	1050	MBh	32.5	33.7	36.9	-	31.7	32.9	36.0	-	31.0	32.1	35.2	-	30.2	31.3	34.3	-	28.7	29.8	32.6	-	26.6	27.6	30.2	-
		S/T	0.72	0.60	0.42	-	0.75	0.62	0.43	-	0.77	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.69	0.47	-	0.83	0.69	0.48	-
		Delta T	21	18	13	-	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	19	17	13	-
		KW	2.13	2.17	2.24	-	2.28	2.33	2.40	-	2.42	2.47	2.54	-	2.54	2.59	2.67	-	2.64	2.69	2.78	-	2.72	2.78	2.87	-
		AMPS	10.7	10.9	11.2	-	11.3	11.5	11.8	-	12.0	12.2	12.5	-	12.6	12.9	13.2	-	13.2	13.5	13.8	-	13.8	14.1	14.5	-
		HI PR	214	231	244	-	241	259	273	-	274	294	311	-	312	335	354	-	350	377	398	-	387	417	440	-
		LO PR	113	120	131	-	119	127	138	-	124	132	144	-	130	138	151	-	136	145	158	-	141	150	164	-
75	1350	MBh	34.5	35.6	38.5	41.3	33.7	34.7	37.6	40.4	32.9	33.9	36.7	39.4	32.1	**33.1**	35.8	38.4	30.5	31.4	34.0	36.5	28.3	29.1	31.5	33.8
		S/T	0.88	0.79	0.60	0.38	0.91	0.82	0.62	0.40	0.93	0.84	0.63	0.41	0.96	**0.86**	0.65	0.42	1.00	0.90	0.68	0.44	1.00	0.90	0.68	0.44
		Delta T	21	19	16	11	21	19	16	11	21	19	16	11	21	**19**	16	11	21	19	16	11	19	18	15	10
		KW	2.20	2.24	2.31	2.38	2.36	2.41	2.48	2.56	2.50	2.55	2.63	2.71	2.62	**2.68**	2.76	2.85	2.73	2.79	2.87	2.97	2.82	2.88	2.97	3.07
		AMPS	11.0	11.2	11.5	11.8	11.7	11.9	12.1	12.5	12.4	12.6	12.9	13.3	13.0	**13.3**	13.6	14.0	13.6	13.9	14.3	14.7	14.3	14.5	14.9	15.4
		HI PR	224	241	254	265	251	270	285	298	286	307	324	338	325	**350**	370	385	366	394	416	434	404	435	459	479
		LO PR	118	125	137	145	124	132	144	154	129	137	150	160	136	**144**	158	168	142	151	165	176	147	156	171	182
	1065	MBh	33.4	34.4	37.2	39.9	32.6	33.6	36.3	39.0	31.8	32.8	35.5	38.1	31.1	**32.0**	34.6	37.1	29.5	30.4	32.9	35.3	27.3	28.1	30.5	32.7
		S/T	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.88	0.79	0.60	0.38	0.91	**0.81**	0.61	0.40	0.94	0.84	0.64	0.41	0.95	0.85	0.64	0.41
		Delta T	24	22	18	12	24	22	18	13	24	22	18	13	24	**22**	18	13	24	22	18	12	22	21	17	12
		KW	2.17	2.21	2.27	2.34	2.32	2.37	2.44	2.52	2.46	2.51	2.59	2.67	2.58	**2.64**	2.72	2.80	2.69	2.74	2.83	2.92	2.77	2.83	2.92	3.02
		AMPS	10.9	11.1	11.3	11.6	11.5	11.7	12.0	12.3	12.2	12.4	12.7	13.1	12.8	**13.1**	13.4	13.8	13.5	13.7	14.1	14.5	14.1	14.3	14.7	15.2
		HI PR	219	236	249	260	246	265	280	292	280	301	318	332	319	**343**	362	378	359	386	408	425	396	427	450	470
		LO PR	115	123	134	143	122	130	141	151	127	135	147	157	133	**141**	154	164	139	148	162	172	144	153	167	178
	1050	MBh	33.0	34.0	36.8	39.5	32.3	33.2	36.0	38.6	31.5	32.4	35.1	37.7	30.7	**31.6**	34.3	36.8	29.2	30.1	32.5	34.9	27.1	27.9	30.1	32.4
		S/T	0.82	0.73	0.55	0.36	0.85	0.76	0.57	0.37	0.87	0.78	0.59	0.38	0.90	**0.80**	0.61	0.39	0.93	0.83	0.63	0.41	0.94	0.84	0.64	0.41
		Delta T	24	22	18	12	24	22	18	12	24	22	18	13	24	**22**	18	13	24	22	18	12	22	21	17	12
		KW	2.15	2.19	2.25	2.32	2.30	2.35	2.42	2.49	2.44	2.49	2.56	2.64	2.56	**2.61**	2.69	2.78	2.66	2.71	2.80	2.89	2.75	2.80	2.89	2.99
		AMPS	10.8	11.0	11.2	11.5	11.4	11.6	11.9	12.2	12.1	12.3	12.6	13.0	12.7	**13.0**	13.3	13.7	13.3	13.6	13.9	14.3	13.9	14.2	14.6	15.0
		HI PR	217	233	246	257	243	261	276	288	276	297	314	328	315	**339**	358	373	354	381	402	420	391	421	445	464
		LO PR	114	121	132	141	120	128	140	149	125	133	145	155	131	**140**	152	162	138	146	160	170	142	151	165	176

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ACCA (TVA) conditions

KW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

AMPS: Unit amps (comp.+ evaporator + condenser fan motors)

1st Stage

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: *PG154911541A* Design Subcooling, 12 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 12°F @ the compressor suction access fitting connection.

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1350	MBh	35.2	35.9	38.4	41.0	34.3	35.1	37.5	40.1	33.5	34.3	36.6	39.1	32.7	33.4	35.7	38.2	31.1	31.8	33.9	36.3	28.8	29.4	31.4	33.6
		S/T	0.96	0.90	0.74	0.55	1.00	0.94	0.76	0.57	1.00	0.96	0.78	0.58	1.00	1.00	0.81	0.60	1.00	1.00	0.84	0.63	1.00	1.00	0.85	0.63
		Delta T	23	22	19	15	23	22	19	16	23	22	20	16	22	23	20	16	21	22	19	15	20	20	18	14
		KW	2.22	2.26	2.33	2.40	2.38	2.42	2.50	2.58	2.52	2.57	2.65	2.73	2.64	2.70	2.78	2.87	2.75	2.81	2.90	2.99	2.84	2.90	3.00	3.09
		AMPS	11.1	11.3	11.5	11.9	11.7	11.9	12.2	12.6	12.5	12.7	13.0	13.4	13.1	13.4	13.7	14.1	13.7	14.0	14.4	14.8	14.4	14.7	15.0	15.5
		HI PR	226	243	257	268	254	273	288	301	288	310	328	342	329	354	373	389	370	398	420	438	408	439	464	484
		LO PR	119	126	138	147	125	134	146	155	130	139	151	161	137	146	159	169	144	153	167	178	149	158	172	184
	1065	MBh	34.0	34.7	37.1	39.6	33.2	33.9	36.2	38.7	32.4	33.1	35.4	37.8	31.6	32.3	**34.5**	36.9	30.0	30.7	32.8	35.0	27.8	28.4	30.4	32.5
		S/T	0.91	0.85	0.69	0.52	0.94	0.88	0.72	0.54	0.96	0.90	0.74	0.55	1.00	0.93	**0.76**	0.57	1.00	0.97	0.79	0.59	1.00	0.98	0.80	0.59
		Delta T	27	26	22	18	27	26	22	18	27	26	22	18	27	26	**23**	18	26	26	22	18	24	24	21	17
		KW	2.18	2.23	2.29	2.36	2.34	2.39	2.46	2.54	2.48	2.53	2.61	2.69	2.60	2.66	**2.74**	2.83	2.71	2.76	2.85	2.94	2.80	2.86	2.95	3.04
		AMPS	11.0	11.1	11.4	11.7	11.6	11.8	12.1	12.4	12.3	12.5	12.8	13.2	12.9	13.2	**13.5**	13.9	13.6	13.8	14.2	14.6	14.2	14.4	14.8	15.3
		HI PR	222	238	252	263	249	268	283	295	283	304	321	335	322	347	**366**	382	362	390	412	429	400	431	455	475
		LO PR	116	124	135	144	123	131	143	152	128	136	149	158	134	143	**156**	166	141	150	163	174	146	155	169	180
	1050	MBh	33.6	34.4	36.7	39.3	32.9	33.6	35.9	38.3	32.1	32.8	35.0	37.4	31.3	32.0	34.2	36.5	29.7	30.4	32.4	34.7	27.5	28.1	30.1	32.1
		S/T	0.90	0.84	0.69	0.51	0.93	0.87	0.71	0.53	0.95	0.90	0.73	0.54	0.99	0.92	0.75	0.56	1.00	0.96	0.78	0.58	1.00	0.97	0.79	0.59
		Delta T	26	25	22	18	27	26	22	18	27	26	22	18	27	26	22	18	26	26	22	18	24	24	21	17
		KW	2.16	2.20	2.27	2.34	2.32	2.36	2.44	2.51	2.45	2.51	2.58	2.66	2.58	2.63	2.71	2.80	2.68	2.74	2.82	2.91	2.77	2.83	2.92	3.01
		AMPS	10.9	11.0	11.3	11.6	11.5	11.7	12.0	12.3	12.2	12.4	12.7	13.1	12.8	13.0	13.4	13.8	13.4	13.7	14.0	14.4	14.0	14.3	14.7	15.1
		HI PR	219	235	249	259	245	264	279	291	279	300	317	331	318	342	361	377	358	385	406	424	395	425	449	468
		LO PR	115	122	133	142	121	129	141	150	126	134	147	156	133	141	154	164	139	148	161	172	144	153	167	178
85	1350	MBh	35.8	36.5	38.2	40.7	34.9	35.6	37.3	39.8	34.1	34.8	36.4	38.9	33.3	33.9	35.5	37.9	31.6	32.2	33.8	36.0	29.3	29.9	31.3	33.4
		S/T	1.00	0.98	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.97	0.78	1.00	1.00	1.00	0.81	1.00	1.00	1.00	0.82
		Delta T	24	24	23	20	24	24	23	20	23	24	23	20	23	23	23	20	22	22	23	20	20	20	21	19
		KW	2.23	2.28	2.34	2.42	2.39	2.44	2.52	2.60	2.54	2.59	2.67	2.76	2.66	2.72	2.81	2.90	2.77	2.83	2.92	3.02	2.86	2.93	3.02	3.12
		AMPS	11.2	11.4	11.6	11.9	11.8	12.0	12.3	12.6	12.6	12.8	13.1	13.5	13.2	13.4	13.8	14.2	13.8	14.1	14.5	14.9	14.5	14.8	15.1	15.6
		HI PR	228	246	259	271	256	276	291	304	291	314	331	345	332	357	377	393	373	402	424	442	412	444	469	489
		LO PR	120	128	139	148	127	135	147	157	132	140	153	163	138	147	161	171	145	154	168	179	150	160	174	186
	1065	MBh	34.6	35.2	36.9	39.4	33.8	34.4	36.0	38.5	33.0	33.6	35.2	37.5	32.2	32.8	34.3	36.6	30.5	31.1	32.6	34.8	28.3	28.8	30.2	32.2
		S/T	0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	1.00	0.98	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.77	1.00	1.00	0.95	0.77
		Delta T	28	28	26	23	29	28	27	23	28	28	27	23	28	28	27	23	26	27	27	23	24	25	25	21
		KW	2.20	2.24	2.31	2.38	2.36	2.41	2.48	2.56	2.50	2.55	2.63	2.71	2.62	2.68	2.76	2.85	2.73	2.79	2.87	2.97	2.82	2.88	2.97	3.07
		AMPS	11.0	11.2	11.5	11.8	11.7	11.9	12.1	12.5	12.4	12.6	12.9	13.3	13.0	13.3	13.6	14.0	13.7	13.9	14.3	14.7	14.3	14.5	14.9	15.4
		HI PR	224	241	254	265	251	270	285	298	286	307	325	339	325	350	370	386	366	394	416	434	404	435	459	479
		LO PR	118	125	137	145	124	132	144	154	129	137	150	160	136	144	158	168	142	151	165	176	147	156	171	182
	1050	MBh	34.2	34.9	36.5	39.0	33.4	34.1	35.7	38.1	32.6	33.3	34.8	37.2	31.8	32.4	34.0	36.3	30.2	30.8	32.3	34.4	28.0	28.6	29.9	31.9
		S/T	0.94	0.91	0.82	0.67	0.98	0.94	0.85	0.69	1.00	0.97	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.93	0.76	1.00	1.00	0.94	0.76
		Delta T	28	28	26	23	29	28	27	23	29	28	27	23	28	28	27	23	26	27	26	23	25	25	25	21
		KW	2.18	2.22	2.29	2.36	2.33	2.38	2.45	2.53	2.47	2.52	2.60	2.68	2.60	2.65	2.73	2.82	2.70	2.76	2.84	2.94	2.79	2.85	2.94	3.04
		AMPS	10.9	11.1	11.4	11.7	11.6	11.8	12.0	12.4	12.3	12.5	12.8	13.2	12.9	13.1	13.5	13.9	13.5	13.8	14.1	14.5	14.1	14.4	14.8	15.2
		HI PR	221	238	251	262	248	267	282	294	282	303	320	334	321	346	365	381	361	389	410	428	399	429	454	473
		LO PR	116	124	135	144	123	130	142	152	127	136	148	158	134	142	156	166	140	149	163	174	145	154	169	180

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is AHRI Rating Conditions

KW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

AMPS: Unit amps (comp.+ evaporator + condenser fan motors)

2nd Stage

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: *PG154911541A* Design Subcooling, 12 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 12°F @ the compressor suction access fitting connection.

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1475	MBh	46.1	47.7	52.3	-	45.0	46.6	51.1	-	43.9	45.5	49.9	-	42.8	44.4	48.7	-	40.7	42.2	46.2	-	37.7	39.1	42.8	-
		S/T	0.72	0.60	0.42	-	0.75	0.63	0.43	-	0.77	0.64	0.45	-	0.79	0.66	0.46	-	0.82	0.69	0.48	-	0.83	0.69	0.48	-
		Delta T	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	20	17	13	-
		KW	3.11	3.18	3.28	-	3.35	3.42	3.53	-	3.56	3.64	3.76	-	3.75	3.83	3.96	-	3.91	3.99	4.13	-	4.04	4.13	4.27	-
		AMPS	12.9	13.1	13.5	-	13.8	14.1	14.5	-	14.8	15.2	15.6	-	15.8	16.1	16.6	-	16.7	17.1	17.6	-	17.6	18.0	18.5	-
		HI PR	230	247	261	-	258	277	293	-	293	315	333	-	334	359	379	-	375	404	427	-	415	446	471	-
		LO PR	108	115	125	-	114	121	132	-	118	126	138	-	124	132	145	-	130	139	151	-	135	144	157	-
	1300	MBh	44.7	46.3	50.8	-	43.7	45.3	49.6	-	42.6	44.2	48.4	-	41.6	43.1	47.2	-	39.5	41.0	44.9	-	36.6	37.9	41.6	-
		S/T	0.69	0.58	0.40	-	0.72	0.60	0.41	-	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.79	0.66	0.45	-	0.79	0.66	0.46	-
		Delta T	22	19	14	-	22	19	15	-	22	19	15	-	22	19	15	-	22	19	14	-	21	18	13	-
		KW	3.09	3.15	3.25	-	3.32	3.39	3.50	-	3.53	3.61	3.73	-	3.72	3.80	3.92	-	3.87	3.96	4.09	-	4.01	4.10	4.24	-
		AMPS	12.8	13.0	13.4	-	13.7	14.0	14.4	-	14.7	15.0	15.5	-	15.6	16.0	16.5	-	16.5	16.9	17.4	-	17.4	17.8	18.4	-
		HI PR	227	245	258	-	255	275	290	-	290	312	330	-	330	356	375	-	372	400	422	-	411	442	467	-
		LO PR	107	114	124	-	113	120	131	-	117	125	136	-	123	131	143	-	129	137	150	-	134	142	155	-
	1125	MBh	41.3	42.8	46.9	-	40.3	41.8	45.8	-	39.4	40.8	44.7	-	38.4	39.8	43.6	-	36.5	37.8	41.4	-	33.8	35.0	38.4	-
		S/T	0.67	0.56	0.39	-	0.69	0.58	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.76	0.64	0.44	-
		Delta T	22	19	15	-	23	20	15	-	23	20	15	-	23	20	15	-	23	20	15	-	21	18	14	-
		KW	3.01	3.08	3.17	-	3.24	3.31	3.42	-	3.45	3.52	3.63	-	3.62	3.70	3.83	-	3.78	3.86	3.99	-	3.91	4.00	4.13	-
		AMPS	12.4	12.7	13.1	-	13.3	13.6	14.0	-	14.4	14.7	15.1	-	15.2	15.6	16.0	-	16.1	16.5	17.0	-	17.0	17.4	17.9	-
		HI PR	221	237	251	-	247	266	281	-	281	303	320	-	321	345	364	-	361	388	410	-	398	429	453	-
		LO PR	104	110	120	-	109	116	127	-	114	121	132	-	120	127	139	-	125	133	145	-	130	138	150	-
75	1475	MBh	46.8	48.2	52.2	56.0	45.7	47.1	51.0	54.7	44.7	46.0	49.8	53.4	43.6	**44.9**	48.6	52.1	41.4	42.6	46.1	49.5	38.3	39.5	42.7	45.9
		S/T	0.82	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.87	0.78	0.59	0.38	0.90	**0.81**	0.61	0.39	0.94	0.84	0.63	0.41	0.95	0.85	0.64	0.41
		Delta T	24	22	18	13	24	22	18	13	24	22	18	13	25	**23**	19	13	24	22	18	13	23	21	17	12
		KW	3.14	3.20	3.30	3.41	3.38	3.45	3.56	3.68	3.59	3.67	3.79	3.92	3.78	**3.86**	3.99	4.12	3.94	4.03	4.16	4.30	4.08	4.17	4.31	4.46
		AMPS	13.0	13.2	13.6	14.1	13.9	14.2	14.6	15.1	15.0	15.3	15.8	16.3	15.9	**16.2**	16.7	17.3	16.8	17.2	17.7	18.4	17.7	18.1	18.7	19.4
		HI PR	232	250	264	275	260	280	296	308	296	319	336	351	337	**363**	383	400	379	408	431	450	419	451	476	497
		LO PR	109	116	127	135	115	123	134	142	120	127	139	148	126	**134**	146	156	132	140	153	163	136	145	158	169
	1300	MBh	45.5	46.8	50.7	54.4	44.4	45.7	49.5	53.1	43.4	44.6	48.3	51.9	42.3	**43.6**	47.1	50.6	40.2	41.4	44.8	48.1	37.2	38.3	41.5	44.5
		S/T	0.79	0.70	0.53	0.34	0.81	0.73	0.55	0.35	0.83	0.75	0.56	0.36	0.86	**0.77**	0.58	0.38	0.89	0.80	0.61	0.39	0.90	0.81	0.61	0.39
		Delta T	25	23	19	13	26	24	19	13	26	24	19	13	26	**24**	19	13	25	23	19	13	24	22	18	12
		KW	3.11	3.18	3.28	3.38	3.35	3.42	3.53	3.65	3.56	3.64	3.76	3.88	3.75	**3.83**	3.96	4.09	3.91	3.99	4.13	4.27	4.04	4.13	4.27	4.42
		AMPS	12.9	13.1	13.5	14.0	13.8	14.1	14.5	15.0	14.8	15.2	15.6	16.2	15.8	**16.1**	16.6	17.2	16.7	17.1	17.6	18.2	17.6	18.0	18.5	19.2
		HI PR	230	247	261	272	258	277	293	305	293	315	333	347	334	**359**	379	396	376	404	427	445	415	447	471	492
		LO PR	108	115	125	134	114	121	132	141	119	126	138	147	124	**132**	145	154	130	139	152	161	135	144	157	167
	1125	MBh	42.0	43.2	46.8	50.2	41.0	42.2	45.7	49.0	40.0	41.2	44.6	47.9	39.0	**40.2**	43.5	46.7	37.1	38.2	41.3	44.4	34.4	35.4	38.3	41.1
		S/T	0.76	0.68	0.51	0.33	0.78	0.70	0.53	0.34	0.80	0.72	0.54	0.35	0.83	**0.74**	0.56	0.36	0.86	0.77	0.58	0.38	0.87	0.78	0.59	0.38
		Delta T	26	24	20	14	26	24	20	14	26	24	20	14	26	**24**	20	14	26	24	20	14	24	22	18	13
		KW	3.04	3.10	3.20	3.30	3.27	3.34	3.45	3.56	3.47	3.55	3.66	3.79	3.66	**3.74**	3.86	3.99	3.81	3.89	4.02	4.16	3.94	4.03	4.16	4.30
		AMPS	12.5	12.8	13.2	13.6	13.4	13.7	14.1	14.6	14.5	14.8	15.2	15.8	15.4	**15.7**	16.2	16.7	16.3	16.6	17.1	17.7	17.1	17.5	18.1	18.7
		HI PR	223	240	253	264	250	269	284	296	284	306	323	337	324	**348**	368	384	364	392	414	432	402	433	457	477
		LO PR	105	111	122	130	111	118	128	137	115	122	134	142	121	**128**	140	149	127	135	147	157	131	139	152	162

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ACCA (TVA) conditions

KW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

AMPS: Unit amps (comp.+ evaporator + condenser fan motors)

2nd Stage

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: *PG154911541A* Design Subcooling, 12 °F @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 12°F @ the compressor suction access fitting connection.

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1475	MBh	47.7	48.7	52.0	55.6	46.6	47.6	50.8	54.3	45.5	46.4	49.6	53.0	44.3	45.3	48.4	51.8	42.1	43.0	46.0	49.2	39.0	39.9	42.6	45.5
		S/T	0.90	0.85	0.69	0.52	0.94	0.88	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.93	0.76	0.57	1.00	0.96	0.78	0.59	1.00	1.00	0.79	0.59
		Delta T	27	26	22	18	27	26	23	18	27	26	23	18	28	26	23	18	26	26	22	18	24	25	21	17
		KW	3.16	3.23	3.33	3.44	3.41	3.48	3.59	3.71	3.62	3.70	3.82	3.95	3.81	3.90	4.02	4.16	3.97	4.06	4.20	4.34	4.11	4.21	4.35	4.49
		AMPS	13.1	13.3	13.7	14.2	14.0	14.3	14.7	15.2	15.1	15.4	15.9	16.4	16.0	16.4	16.9	17.5	17.0	17.4	17.9	18.5	17.9	18.3	18.9	19.5
		HI PR	234	252	266	278	263	283	299	312	299	322	340	354	341	366	387	404	383	412	435	454	423	456	481	502
		LO PR	110	117	128	136	116	124	135	144	121	129	140	150	127	135	148	157	133	142	155	165	138	146	160	170
	1300	MBh	46.3	47.3	50.5	54.0	45.2	46.2	49.4	52.8	44.1	45.1	48.2	51.5	43.1	44.0	**47.0**	50.2	40.9	41.8	44.7	47.7	37.9	38.7	41.4	44.2
		S/T	0.86	0.81	0.66	0.49	0.89	0.84	0.68	0.51	0.92	0.86	0.70	0.52	0.94	0.89	**0.72**	0.54	0.98	0.92	0.75	0.56	0.99	0.93	0.75	0.56
		Delta T	28	27	23	19	29	27	24	19	29	27	24	19	29	28	**24**	19	28	27	24	19	26	25	22	18
		KW	3.14	3.20	3.30	3.41	3.38	3.45	3.56	3.68	3.59	3.67	3.79	3.92	3.78	3.86	**3.99**	4.13	3.94	4.03	4.16	4.30	4.08	4.17	4.31	4.46
		AMPS	13.0	13.2	13.6	14.1	13.9	14.2	14.6	15.1	15.0	15.3	15.8	16.3	15.9	16.3	**16.7**	17.3	16.8	17.2	17.7	18.4	17.7	18.1	18.7	19.4
		HI PR	232	250	264	275	260	280	296	309	296	319	336	351	337	363	**383**	400	379	408	431	450	419	451	476	497
		LO PR	109	116	127	135	115	123	134	142	120	127	139	148	126	134	**146**	156	132	140	153	163	136	145	158	169
	1125	MBh	42.7	43.6	46.6	49.9	41.7	42.6	45.6	48.7	40.7	41.6	44.5	47.5	39.7	40.6	43.4	46.4	37.8	38.6	41.2	44.1	35.0	35.7	38.2	40.8
		S/T	0.83	0.78	0.63	0.47	0.86	0.81	0.66	0.49	0.88	0.83	0.67	0.50	0.91	0.85	0.70	0.52	0.95	0.89	0.72	0.54	0.95	0.89	0.73	0.54
		Delta T	29	28	24	19	29	28	24	20	29	28	24	20	30	28	25	20	29	28	24	19	27	26	23	18
		KW	3.06	3.13	3.22	3.33	3.30	3.37	3.47	3.59	3.50	3.58	3.70	3.82	3.69	3.77	3.89	4.02	3.84	3.93	4.06	4.19	3.98	4.06	4.20	4.34
		AMPS	12.6	12.9	13.3	13.7	13.6	13.8	14.2	14.7	14.6	14.9	15.4	15.9	15.5	15.8	16.3	16.9	16.4	16.8	17.3	17.9	17.3	17.7	18.2	18.9
		HI PR	225	242	256	267	252	272	287	299	287	309	326	340	327	352	372	388	368	396	418	436	407	437	462	482
		LO PR	106	113	123	131	112	119	130	138	116	124	135	144	122	130	142	151	128	136	148	158	132	141	154	164

NOTE: Shaded area reflects AHRI rating conditions

85	1475	MBh	48.5	49.4	51.8	55.2	47.4	48.3	50.6	54.0	46.2	47.1	49.4	52.7	45.1	46.0	48.2	51.4	42.9	43.7	45.8	48.8	39.7	40.5	42.4	45.2
		S/T	0.95	0.91	0.82	0.67	0.98	0.95	0.85	0.69	1.00	0.97	0.88	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.94	0.76	1.00	1.00	0.95	0.77
		Delta T	29	28	27	23	29	28	27	23	29	29	27	23	28	29	27	23	27	27	27	23	25	25	25	22
		KW	3.19	3.25	3.36	3.47	3.43	3.51	3.62	3.74	3.65	3.73	3.85	3.98	3.84	3.93	4.06	4.20	4.01	4.10	4.23	4.38	4.15	4.24	4.38	4.53
		AMPS	13.2	13.4	13.8	14.3	14.1	14.4	14.9	15.4	15.2	15.6	16.0	16.6	16.2	16.5	17.0	17.6	17.1	17.5	18.0	18.7	18.0	18.5	19.0	19.7
		HI PR	237	255	269	280	266	286	302	315	302	325	343	358	344	370	391	408	387	416	440	459	428	460	486	507
		LO PR	111	118	129	138	118	125	136	145	122	130	142	151	128	136	149	159	134	143	156	166	139	148	162	172
	1300	MBh	47.1	48.0	50.3	53.6	46.0	46.9	49.1	52.4	44.9	45.8	47.9	51.1	43.8	44.7	46.8	49.9	41.6	42.4	44.4	47.4	38.5	39.3	41.2	43.9
		S/T	0.90	0.87	0.79	0.64	0.94	0.90	0.81	0.66	0.96	0.93	0.84	0.68	0.99	0.96	0.86	0.70	1.00	0.99	0.90	0.73	1.00	1.00	0.90	0.73
		Delta T	30	30	28	24	30	30	28	24	30	30	28	25	31	30	29	25	29	30	28	24	27	28	26	23
		KW	3.16	3.23	3.33	3.44	3.41	3.48	3.59	3.71	3.62	3.70	3.82	3.95	3.81	3.90	4.02	4.16	3.97	4.06	4.20	4.34	4.11	4.21	4.35	4.49
		AMPS	13.1	13.3	13.7	14.2	14.0	14.3	14.7	15.2	15.1	15.4	15.9	16.4	16.0	16.4	16.9	17.5	17.0	17.4	17.9	18.5	17.9	18.3	18.9	19.5
		HI PR	234	252	266	278	263	283	299	312	299	322	340	354	341	366	387	404	383	412	435	454	423	456	481	502
		LO PR	110	117	128	136	116	124	135	144	121	129	140	150	127	135	148	157	133	142	155	165	138	146	160	170
	1125	MBh	43.5	44.3	46.4	49.5	42.5	43.3	45.3	48.4	41.4	42.2	44.2	47.2	40.4	41.2	43.2	46.0	38.4	39.2	41.0	43.7	35.6	36.3	38.0	40.5
		S/T	0.87	0.84	0.76	0.61	0.90	0.87	0.79	0.64	0.93	0.89	0.81	0.65	0.95	0.92	0.83	0.67	0.99	0.96	0.86	0.70	1.00	0.96	0.87	0.71
		Delta T	31	30	29	25	31	31	29	25	31	31	29	25	32	31	29	25	31	31	29	25	29	29	27	23
		KW	3.09	3.15	3.25	3.35	3.32	3.39	3.50	3.62	3.53	3.61	3.73	3.85	3.72	3.80	3.92	4.05	3.87	3.96	4.09	4.23	4.01	4.10	4.23	4.38
		AMPS	12.7	13.0	13.4	13.8	13.7	14.0	14.4	14.8	14.7	15.0	15.5	16.0	15.6	16.0	16.5	17.0	16.5	16.9	17.4	18.0	17.4	17.8	18.4	19.0
		HI PR	227	245	258	269	255	274	290	302	290	312	330	344	330	355	375	392	372	400	422	440	411	442	467	487
		LO PR	107	114	124	132	113	120	131	140	117	125	136	145	123	131	143	152	129	137	150	160	134	142	155	165

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is AHRI Rating Conditions

KW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

AMPS: Unit amps (comp.+ evaporator + condenser fan motors)

MODEL: *PG1560*41A***

EXPANDED PERFORMANCE DATA

COOLING OPERATION

Design Subcooling, 15°F ± 3 @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 9°F ± 3 @ the compressor suction access fitting connection.

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1463	MBh	40.2	41.6	45.6	-	39.2	40.7	44.6	-	38.3	39.7	43.5	-	37.4	38.7	42.4	-	35.5	36.8	40.3	-	32.9	34.1	37.3	-
		S/T	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.82	0.69	0.48	-	0.85	0.71	0.49	-	0.88	0.74	0.51	-	0.89	0.74	0.51	-
		Delta T	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	18	16	12	-
		KW	2.88	2.94	3.03	-	3.09	3.16	3.25	-	3.28	3.35	3.45	-	3.44	3.52	3.63	-	3.59	3.66	3.78	-	3.71	3.79	3.91	-
		AMPS	13.6	13.9	14.2	-	14.5	14.7	15.1	-	15.4	15.7	16.2	-	16.3	16.6	17.1	-	17.1	17.5	18.0	-	18.0	18.3	18.8	-
		HI PR	231	248	262	-	259	279	294	-	294	317	335	-	335	361	381	-	377	406	429	-	417	449	474	-
		LO PR	111	118	129	-	117	125	136	-	122	129	141	-	128	136	148	-	134	143	156	-	139	147	161	-
	1300	MBh	39.0	40.4	44.3	-	38.1	39.5	43.3	-	37.2	38.5	42.2	-	36.3	37.6	41.2	-	34.5	35.7	39.1	-	31.9	33.1	36.3	-
		S/T	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.78	0.65	0.45	-	0.81	0.68	0.47	-	0.84	0.70	0.49	-	0.85	0.71	0.49	-
		Delta T	20	18	13	-	21	18	14	-	21	18	14	-	21	18	14	-	20	18	13	-	19	17	13	-
		KW	2.86	2.92	3.00	-	3.07	3.13	3.23	-	3.25	3.32	3.43	-	3.42	3.49	3.60	-	3.56	3.63	3.75	-	3.68	3.76	3.88	-
		AMPS	13.5	13.8	14.1	-	14.4	14.6	15.0	-	15.3	15.6	16.0	-	16.2	16.5	16.9	-	17.0	17.3	17.8	-	17.8	18.2	18.7	-
		HI PR	228	246	260	-	256	276	291	-	292	314	331	-	332	357	377	-	374	402	424	-	413	444	469	-
		LO PR	110	117	127	-	116	123	135	-	120	128	140	-	127	135	147	-	133	141	154	-	137	146	159	-
	1138	MBh	36.0	37.3	40.9	-	35.2	36.4	39.9	-	34.3	35.6	39.0	-	33.5	34.7	38.0	-	31.8	33.0	36.1	-	29.5	30.5	33.5	-
		S/T	0.71	0.59	0.41	-	0.74	0.62	0.43	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.68	0.47	-	0.82	0.68	0.47	-
		Delta T	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	19	17	13	-
		KW	2.79	2.85	2.93	-	3.00	3.06	3.15	-	3.18	3.24	3.34	-	3.34	3.41	3.51	-	3.47	3.55	3.66	-	3.59	3.67	3.78	-
		AMPS	13.2	13.5	13.8	-	14.1	14.3	14.7	-	15.0	15.3	15.7	-	15.8	16.1	16.5	-	16.6	17.0	17.4	-	17.4	17.8	18.3	-
		HI PR	222	238	252	-	249	268	283	-	283	304	321	-	322	347	366	-	362	390	412	-	400	431	455	-
		LO PR	106	113	124	-	112	120	131	-	117	124	136	-	123	131	143	-	129	137	149	-	133	142	155	-
75	1463	MBh	40.9	42.1	45.5	48.9	39.9	41.1	44.5	47.7	39.0	40.1	43.4	46.6	38.0	**39.1**	42.4	45.5	36.1	37.2	40.2	43.2	33.4	34.4	37.3	40.0
		S/T	0.88	0.79	0.60	0.38	0.91	0.81	0.62	0.40	0.93	0.84	0.63	0.41	0.96	**0.86**	0.65	0.42	1.00	0.90	0.68	0.44	1.00	0.90	0.68	0.44
		Delta T	23	21	17	12	23	21	17	12	23	21	17	12	23	**21**	17	12	23	21	17	12	21	20	16	11
		KW	2.90	2.96	3.05	3.15	3.12	3.18	3.28	3.38	3.31	3.38	3.48	3.59	3.47	**3.55**	3.66	3.78	3.62	3.69	3.81	3.94	3.74	3.82	3.94	4.07
		AMPS	13.7	14.0	14.3	14.7	14.6	14.8	15.2	15.7	15.6	15.9	16.3	16.8	16.4	**16.7**	17.2	17.7	17.3	17.6	18.1	18.7	18.1	18.5	19.0	19.6
		HI PR	233	251	265	276	262	281	297	310	297	320	338	353	339	**365**	385	402	381	410	433	452	421	453	479	499
		LO PR	112	119	130	138	118	126	137	146	123	131	143	152	129	**137**	150	160	135	144	157	167	140	149	163	173
	1300	MBh	39.7	40.8	44.2	47.4	38.7	39.9	43.2	46.3	37.8	38.9	42.2	45.2	36.9	**38.0**	41.1	44.1	35.1	36.1	39.1	41.9	32.5	33.4	36.2	38.8
		S/T	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.89	0.80	0.60	0.39	0.92	**0.82**	0.62	0.40	0.95	0.85	0.65	0.42	0.96	0.86	0.65	0.42
		Delta T	24	22	18	12	24	22	18	12	24	22	18	12	24	**22**	18	13	24	22	18	12	22	20	17	12
		KW	2.88	2.94	3.03	3.12	3.09	3.16	3.25	3.36	3.28	3.35	3.45	3.57	3.45	**3.52**	3.63	3.75	3.59	3.66	3.78	3.91	3.71	3.79	3.91	4.04
		AMPS	13.6	13.9	14.2	14.6	14.5	14.7	15.1	15.6	15.4	15.7	16.2	16.6	16.3	**16.6**	17.1	17.6	17.1	17.5	18.0	18.5	18.0	18.3	18.8	19.4
		HI PR	231	248	262	274	259	279	294	307	294	317	335	349	335	**361**	381	398	377	406	429	447	417	449	474	494
		LO PR	111	118	129	137	117	125	136	145	122	129	141	151	128	**136**	149	158	134	143	156	166	139	147	161	171
	1138	MBh	36.6	37.7	40.8	43.8	35.8	36.8	39.9	42.8	34.9	35.9	38.9	41.8	34.1	**35.1**	38.0	40.7	32.4	33.3	36.1	38.7	30.0	30.9	33.4	35.8
		S/T	0.81	0.72	0.55	0.35	0.84	0.75	0.57	0.36	0.86	0.77	0.58	0.37	0.89	**0.79**	0.60	0.39	0.92	0.82	0.62	0.40	0.93	0.83	0.63	0.40
		Delta T	24	22	18	12	24	22	18	13	24	22	18	13	24	**22**	18	13	24	22	18	13	22	21	17	12
		KW	2.81	2.87	2.96	3.05	3.02	3.08	3.18	3.28	3.20	3.27	3.37	3.48	3.36	**3.43**	3.54	3.66	3.50	3.57	3.69	3.81	3.62	3.70	3.81	3.94
		AMPS	13.3	13.6	13.9	14.3	14.2	14.4	14.8	15.2	15.1	15.4	15.8	16.3	15.9	**16.2**	16.7	17.2	16.7	17.1	17.5	18.1	17.6	17.9	18.4	19.0
		HI PR	224	241	254	265	251	270	285	298	286	307	325	339	325	**350**	370	386	366	394	416	434	404	435	460	479
		LO PR	108	114	125	133	114	121	132	141	118	126	137	146	124	**132**	144	153	130	138	151	161	134	143	156	166

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ACCA (TVA) conditions

KW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

AMPS: Unit amps (comp.+ evaporator + condenser fan motors)

MODEL: *PG1560*41A***

EXPANDED PERFORMANCE DATA

COOLING OPERATION

Design Subcooling, 15°F ± 3 @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 9°F ± 3 @ the compressor suction access fitting connection.

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1463	MBh	41.6	42.5	45.4	48.5	40.6	41.5	44.3	47.4	39.6	40.5	43.3	46.3	38.7	39.5	42.2	45.1	36.7	37.6	40.1	42.9	34.0	34.8	37.2	39.7
		S/T	0.96	0.90	0.74	0.55	1.00	0.94	0.76	0.57	1.00	0.96	0.78	0.58	1.00	1.00	0.81	0.60	1.00	1.00	0.84	0.63	1.00	1.00	0.84	0.63
		Delta T	25	24	21	17	26	24	21	17	25	24	21	17	24	25	21	17	23	24	21	17	21	22	20	16
		KW	2.92	2.98	3.07	3.17	3.14	3.21	3.31	3.41	3.33	3.40	3.51	3.62	3.50	3.58	3.69	3.81	3.65	3.72	3.84	3.97	3.77	3.85	3.98	4.11
		AMPS	13.8	14.1	14.4	14.8	14.7	14.9	15.3	15.8	15.7	16.0	16.4	16.9	16.5	16.9	17.3	17.9	17.4	17.7	18.2	18.8	18.2	18.6	19.1	19.8
		HI PR	235	253	268	279	264	284	300	313	300	323	341	356	342	368	389	406	385	414	437	456	425	458	483	504
		LO PR	113	120	131	140	119	127	139	148	124	132	144	154	130	139	152	161	137	145	159	169	141	150	164	175
	1300	MBh	40.4	41.3	44.1	47.1	39.4	40.3	43.1	46.0	38.5	39.3	42.0	44.9	37.6	38.4	**41.0**	43.8	35.7	36.5	39.0	41.6	33.0	33.8	36.1	38.6
		S/T	0.92	0.86	0.70	0.52	0.95	0.89	0.73	0.54	0.98	0.92	0.75	0.56	1.00	0.95	**0.77**	0.58	1.00	0.98	0.80	0.60	1.00	0.99	0.81	0.60
		Delta T	26	25	22	17	27	25	22	18	27	25	22	18	27	26	**22**	18	25	25	22	18	23	24	21	16
		KW	2.90	2.96	3.05	3.15	3.12	3.18	3.28	3.38	3.31	3.38	3.48	3.59	3.47	3.55	**3.66**	3.78	3.62	3.69	3.81	3.94	3.74	3.82	3.94	4.07
		AMPS	13.7	14.0	14.3	14.7	14.6	14.8	15.2	15.7	15.6	15.9	16.3	16.8	16.4	16.7	**17.2**	17.7	17.3	17.6	18.1	18.7	18.1	18.5	19.0	19.6
		HI PR	233	251	265	276	262	281	297	310	297	320	338	353	339	365	**385**	402	381	410	433	452	421	453	479	499
		LO PR	112	119	130	139	118	126	137	146	123	131	143	152	129	137	**150**	160	135	144	157	167	140	149	163	173
	1138	MBh	37.3	38.1	40.7	43.5	36.4	37.2	39.7	42.5	35.5	36.3	38.8	41.5	34.7	35.4	37.8	40.5	32.9	33.6	36.0	38.4	30.5	31.2	33.3	35.6
		S/T	0.89	0.83	0.68	0.51	0.92	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.97	0.91	0.74	0.55	1.01	0.95	0.77	0.58	1.02	0.95	0.78	0.58
		Delta T	27	26	22	18	27	26	23	18	27	26	23	18	27	26	23	18	27	26	22	18	25	24	21	17
		KW	2.84	2.89	2.98	3.07	3.04	3.11	3.20	3.30	3.23	3.30	3.40	3.51	3.39	3.46	3.57	3.69	3.53	3.60	3.72	3.84	3.65	3.73	3.85	3.97
		AMPS	13.4	13.7	14.0	14.4	14.3	14.5	14.9	15.3	15.2	15.5	15.9	16.4	16.0	16.4	16.8	17.3	16.9	17.2	17.7	18.2	17.7	18.1	18.6	19.1
		HI PR	226	243	257	268	254	273	288	301	289	311	328	342	329	354	373	390	370	398	420	438	408	440	464	484
		LO PR	109	116	126	134	115	122	133	142	119	127	139	148	125	133	146	155	131	140	152	162	136	144	158	168
85	1463	MBh	42.3	43.1	45.2	48.2	41.3	42.1	44.1	47.1	40.3	41.1	43.1	45.9	39.4	40.1	42.0	44.8	37.4	38.1	39.9	42.6	34.6	35.3	37.0	39.4
		S/T	1.00	0.98	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.97	0.78	1.00	1.00	1.00	0.81	1.00	1.00	1.00	0.82
		Delta T	27	26	25	22	26	26	25	22	25	26	25	22	25	25	26	22	24	24	25	22	22	22	23	20
		KW	2.95	3.01	3.10	3.19	3.17	3.23	3.33	3.44	3.36	3.43	3.54	3.65	3.53	3.61	3.72	3.84	3.67	3.75	3.88	4.00	3.80	3.88	4.01	4.14
		AMPS	13.9	14.2	14.5	14.9	14.8	15.1	15.4	15.9	15.8	16.1	16.5	17.0	16.7	17.0	17.5	18.0	17.5	17.9	18.4	19.0	18.4	18.8	19.3	19.9
		HI PR	238	256	270	282	267	287	303	316	303	327	345	360	346	372	393	410	389	418	442	461	430	462	488	509
		LO PR	114	122	133	141	121	128	140	149	125	133	146	155	132	140	153	163	138	147	160	171	143	152	166	177
	1300	MBh	41.1	41.9	43.9	46.8	40.1	40.9	42.8	45.7	39.2	39.9	41.8	44.6	38.2	39.0	40.8	43.5	36.3	37.0	38.8	41.3	33.6	34.3	35.9	38.3
		S/T	0.96	0.93	0.84	0.68	1.00	0.96	0.87	0.71	1.00	0.99	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.96	0.78	1.00	1.00	0.96	0.78
		Delta T	28	28	26	23	28	28	26	23	28	28	26	23	27	28	27	23	26	26	26	23	24	24	24	21
		KW	2.92	2.98	3.07	3.17	3.14	3.21	3.31	3.41	3.33	3.40	3.51	3.62	3.50	3.58	3.69	3.81	3.65	3.72	3.84	3.97	3.77	3.85	3.98	4.11
		AMPS	13.8	14.1	14.4	14.8	14.7	14.9	15.3	15.8	15.7	16.0	16.4	16.9	16.5	16.9	17.3	17.9	17.4	17.7	18.2	18.8	18.2	18.6	19.1	19.8
		HI PR	235	253	268	279	264	284	300	313	300	323	341	356	342	368	389	406	385	414	437	456	425	458	483	504
		LO PR	113	120	131	140	119	127	139	148	124	132	144	154	130	139	152	161	137	145	159	169	141	150	164	175
	1138	MBh	37.9	38.6	40.5	43.2	37.0	37.7	39.5	42.2	36.2	36.9	38.6	41.2	35.3	36.0	37.7	40.2	33.5	34.2	35.8	38.2	31.0	31.6	33.1	35.4
		S/T	0.93	0.90	0.81	0.66	0.96	0.93	0.84	0.68	0.99	0.95	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.93	0.75
		Delta T	28	28	26	23	29	28	27	23	29	28	27	23	29	29	27	23	27	28	27	23	25	26	25	22
		KW	2.86	2.91	3.00	3.10	3.07	3.13	3.23	3.33	3.25	3.32	3.43	3.54	3.42	3.49	3.60	3.72	3.56	3.63	3.75	3.87	3.68	3.76	3.88	4.01
		AMPS	13.5	13.8	14.1	14.5	14.4	14.6	15.0	15.4	15.3	15.6	16.0	16.5	16.2	16.5	16.9	17.4	17.0	17.3	17.8	18.4	17.8	18.2	18.7	19.3
		HI PR	228	246	260	271	256	276	291	304	291	314	331	345	332	357	377	393	373	402	424	443	413	444	469	489
		LO PR	110	117	127	136	116	123	135	143	120	128	140	149	127	135	147	157	133	141	154	164	137	146	159	170

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is AHRI Rating Conditions

KW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

AMPS: Unit amps (comp.+ evaporator + condenser fan motors)

MODEL: *PG1560*41A***

EXPANDED PERFORMANCE DATA

COOLING OPERATION

Design Subcooling, 15°F ± 3 @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 9°F ± 3 @ the compressor suction access fitting connection.

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	2036	MBh	55.4	57.4	62.9	-	54.1	56.1	61.4	-	52.8	54.7	59.9	-	51.5	53.4	58.5	-	48.9	50.7	55.6	-	45.3	47.0	51.5	-
		S/T	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.82	0.69	0.48	-	0.85	0.71	0.49	-	0.88	0.74	0.51	-	0.89	0.74	0.51	-
		Delta T	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	19	17	13	-	18	16	12	-
		KW	4.41	4.50	4.64	-	4.73	4.83	4.98	-	5.02	5.12	5.28	-	5.27	5.38	5.55	-	5.48	5.60	5.77	-	5.66	5.78	5.97	-
		AMPS	21.5	21.8	22.4	-	22.7	23.1	23.7	-	24.2	24.6	25.3	-	25.4	25.9	26.6	-	26.7	27.2	27.9	-	28.0	28.5	29.3	-
		HI PR	256	276	291	-	288	310	327	-	327	352	372	-	373	401	424	-	419	451	477	-	463	499	527	-
		LO PR	107	114	124	-	113	120	131	-	118	125	137	-	124	131	144	-	130	138	150	-	134	143	156	-
	1810	MBh	53.8	55.7	61.0	-	52.5	54.4	59.6	-	51.3	53.1	58.2	-	50.0	51.8	56.8	-	47.5	49.2	53.9	-	44.0	45.6	50.0	-
		S/T	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.78	0.65	0.45	-	0.81	0.68	0.47	-	0.84	0.70	0.49	-	0.85	0.71	0.49	-
		Delta T	20	17	13	-	20	18	13	-	20	18	13	-	21	18	14	-	20	18	13	-	19	16	12	-
		KW	4.38	4.47	4.60	-	4.70	4.79	4.94	-	4.98	5.08	5.24	-	5.23	5.34	5.50	-	5.44	5.55	5.73	-	5.62	5.74	5.92	-
		AMPS	21.3	21.7	22.2	-	22.6	23.0	23.5	-	24.0	24.5	25.1	-	25.3	25.7	26.4	-	26.5	27.0	27.7	-	27.8	28.3	29.1	-
		HI PR	254	273	289	-	285	307	324	-	324	349	368	-	369	397	419	-	415	447	472	-	459	494	521	-
		LO PR	106	113	123	-	112	119	130	-	116	124	135	-	122	130	142	-	128	136	149	-	133	141	154	-
	1584	MBh	49.6	51.4	56.3	-	48.5	50.2	55.0	-	47.3	49.0	53.7	-	46.2	47.8	52.4	-	43.8	45.4	49.8	-	40.6	42.1	46.1	-
		S/T	0.71	0.59	0.41	-	0.74	0.62	0.43	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.68	0.47	-	0.82	0.68	0.47	-
		Delta T	20	18	13	-	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	19	17	13	-
		KW	4.28	4.37	4.50	-	4.59	4.68	4.82	-	4.86	4.96	5.11	-	5.10	5.21	5.37	-	5.31	5.42	5.59	-	5.48	5.60	5.78	-
		AMPS	20.9	21.3	21.8	-	22.1	22.5	23.1	-	23.5	24.0	24.6	-	24.7	25.2	25.8	-	25.9	26.4	27.1	-	27.1	27.7	28.4	-
		HI PR	246	265	280	-	276	297	314	-	314	338	357	-	358	385	407	-	403	433	458	-	445	479	506	-
		LO PR	103	109	120	-	109	116	126	-	113	120	131	-	119	126	138	-	124	132	144	-	129	137	149	-
75	2036	MBh	56.3	58.0	62.7	67.3	55.0	56.6	61.3	65.8	53.7	55.3	59.8	64.2	52.4	**53.9**	58.4	62.6	49.8	51.2	55.5	59.5	46.1	47.5	51.4	55.1
		S/T	0.88	0.79	0.60	0.38	0.91	0.81	0.62	0.40	0.93	0.84	0.63	0.41	0.96	**0.86**	0.65	0.42	1.00	0.90	0.68	0.44	1.00	0.90	0.68	0.44
		Delta T	22	21	17	12	23	21	17	12	23	21	17	12	23	**21**	17	12	22	21	17	12	21	19	16	11
		KW	4.45	4.54	4.67	4.81	4.77	4.87	5.02	5.17	5.06	5.16	5.32	5.49	5.31	**5.42**	5.59	5.77	5.52	5.64	5.82	6.01	5.71	5.83	6.02	6.21
		AMPS	21.6	22.0	22.5	23.1	22.9	23.3	23.9	24.5	24.4	24.8	25.4	26.2	25.6	**26.1**	26.8	27.6	26.9	27.4	28.2	29.0	28.2	28.7	29.5	30.4
		HI PR	259	279	294	307	291	313	330	345	331	356	376	392	377	**405**	428	446	424	456	481	502	468	504	532	555
		LO PR	108	115	126	134	114	122	133	141	119	126	138	147	125	**133**	145	154	131	139	152	162	135	144	157	167
	1810	MBh	54.7	56.3	60.9	65.4	53.4	55.0	59.5	63.9	52.1	53.7	58.1	62.3	50.9	**52.4**	56.7	60.8	48.3	49.7	53.8	57.8	44.7	46.1	49.9	53.5
		S/T	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.89	0.80	0.60	0.39	0.92	**0.82**	0.62	0.40	0.95	0.85	0.65	0.42	0.96	0.86	0.65	0.42
		Delta T	23	21	18	12	24	22	18	12	24	22	18	12	24	**22**	18	12	23	22	18	12	22	20	17	11
		KW	4.41	4.50	4.64	4.78	4.73	4.83	4.98	5.13	5.02	5.12	5.28	5.45	5.27	**5.38**	5.55	5.72	5.48	5.60	5.77	5.96	5.66	5.78	5.97	6.16
		AMPS	21.5	21.8	22.4	23.0	22.7	23.1	23.7	24.4	24.2	24.6	25.3	26.0	25.5	**25.9**	26.6	27.4	26.7	27.2	28.0	28.8	28.0	28.5	29.3	30.2
		HI PR	257	276	292	304	288	310	327	341	327	352	372	388	373	**401**	424	442	419	451	477	497	463	499	527	549
		LO PR	107	114	124	133	113	120	131	140	118	125	137	146	124	**131**	144	153	130	138	150	160	134	143	156	166
	1584	MBh	50.5	51.9	56.2	60.3	49.3	50.7	54.9	58.9	48.1	49.5	53.6	57.5	46.9	**48.3**	52.3	56.1	44.6	45.9	49.7	53.3	41.3	42.5	46.0	49.4
		S/T	0.81	0.72	0.55	0.35	0.84	0.75	0.57	0.36	0.86	0.77	0.58	0.37	0.89	**0.79**	0.60	0.39	0.92	0.82	0.62	0.40	0.93	0.83	0.63	0.40
		Delta T	24	22	18	12	24	22	18	12	24	22	18	12	24	**22**	18	13	24	22	18	12	22	20	17	12
		KW	4.32	4.40	4.53	4.67	4.63	4.72	4.86	5.01	4.90	5.00	5.16	5.32	5.14	**5.25**	5.41	5.59	5.35	5.46	5.63	5.81	5.53	5.64	5.82	6.01
		AMPS	21.0	21.4	21.9	22.5	22.3	22.7	23.2	23.9	23.7	24.1	24.7	25.4	24.9	**25.4**	26.0	26.8	26.1	26.6	27.3	28.2	27.3	27.9	28.6	29.5
		HI PR	249	268	283	295	279	300	317	331	318	342	361	376	362	**389**	411	429	407	438	462	482	450	484	511	533
		LO PR	104	111	121	129	110	117	128	136	114	121	133	141	120	**128**	139	148	126	134	146	155	130	138	151	161

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ACCA (TVA) conditions

KW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

AMPS: Unit amps (comp.+ evaporator + condenser fan motors)

MODEL: *PG1560*41A***

EXPANDED PERFORMANCE DATA

COOLING OPERATION

Design Subcooling, 15°F ± 3 @ the liquid access fitting connection AHRI 95 test conditions. Design Superheat 9°F ± 3 @ the compressor suction access fitting connection.

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	2036	MBh	57.3	58.6	62.6	66.9	56.0	57.2	61.1	65.3	54.6	55.8	59.6	63.8	53.3	54.5	58.2	62.2	50.6	51.7	55.3	59.1	46.9	47.9	51.2	54.7
		S/T	0.96	0.90	0.74	0.55	1.00	0.94	0.76	0.57	1.00	0.96	0.78	0.58	1.00	1.00	0.81	0.60	1.00	1.00	0.84	0.63	1.00	1.00	0.84	0.63
		Delta T	25	24	21	17	25	24	21	17	25	24	21	17	24	25	21	17	23	23	21	17	21	22	20	16
		KW	4.48	4.57	4.71	4.85	4.81	4.91	5.06	5.22	5.10	5.20	5.37	5.54	5.35	5.46	5.64	5.82	5.57	5.69	5.87	6.06	5.75	5.88	6.07	6.27
		AMPS	21.7	22.1	22.7	23.3	23.0	23.5	24.0	24.7	24.5	25.0	25.6	26.4	25.8	26.3	27.0	27.8	27.1	27.6	28.4	29.2	28.4	28.9	29.7	30.6
		HI PR	262	282	297	310	294	316	334	348	334	359	380	396	380	409	432	451	428	461	486	507	473	509	537	560
		LO PR	109	116	127	135	116	123	134	143	120	128	139	148	126	134	146	156	132	141	153	163	137	145	159	169
	1810	MBh	55.6	56.9	60.7	64.9	54.3	55.5	59.3	63.4	53.0	54.2	57.9	61.9	51.8	52.9	**56.5**	60.4	49.2	50.2	53.7	57.4	45.5	46.5	49.7	53.2
		S/T	0.92	0.86	0.70	0.52	0.95	0.89	0.73	0.54	0.98	0.92	0.75	0.56	1.00	0.95	**0.77**	0.58	1.00	0.98	0.80	0.60	1.00	0.99	0.81	0.60
		Delta T	26	25	22	17	26	25	22	18	26	25	22	18	26	25	**22**	18	25	25	22	17	23	23	20	16
		KW	4.45	4.54	4.67	4.82	4.77	4.87	5.02	5.17	5.06	5.16	5.32	5.49	5.31	5.42	**5.59**	5.77	5.52	5.64	5.82	6.01	5.71	5.83	6.02	6.21
		AMPS	21.6	22.0	22.5	23.1	22.9	23.3	23.9	24.5	24.4	24.8	25.4	26.2	25.6	26.1	**26.8**	27.6	26.9	27.4	28.2	29.0	28.2	28.7	29.5	30.4
		HI PR	259	279	294	307	291	313	330	345	331	356	376	392	377	405	**428**	446	424	456	482	502	468	504	532	555
		LO PR	108	115	126	134	114	122	133	141	119	126	138	147	125	133	**145**	154	131	139	152	162	135	144	157	167
	1584	MBh	51.4	52.5	56.1	59.9	50.2	51.3	54.8	58.5	49.0	50.0	53.5	57.1	47.8	48.8	52.1	55.7	45.4	46.4	49.5	53.0	42.0	43.0	45.9	49.1
		S/T	0.89	0.83	0.68	0.51	0.92	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.97	0.91	0.74	0.55	1.01	0.95	0.77	0.58	1.02	0.95	0.78	0.58
		Delta T	26	25	22	18	27	26	22	18	27	26	22	18	27	26	22	18	27	25	22	18	25	24	21	17
		KW	4.35	4.43	4.57	4.70	4.66	4.76	4.90	5.05	4.94	5.04	5.20	5.36	5.18	5.29	5.46	5.63	5.39	5.51	5.68	5.86	5.57	5.69	5.87	6.06
		AMPS	21.2	21.5	22.1	22.7	22.4	22.8	23.4	24.0	23.9	24.3	24.9	25.6	25.1	25.6	26.2	27.0	26.3	26.8	27.5	28.4	27.5	28.1	28.8	29.7
		HI PR	251	270	286	298	282	304	321	334	321	345	365	380	365	393	415	433	411	442	467	487	454	489	516	538
		LO PR	105	112	122	130	111	118	129	137	115	123	134	143	121	129	141	150	127	135	147	157	131	140	152	162
85	2036	MBh	58.3	59.4	62.2	66.4	56.9	58.1	60.8	64.9	55.6	56.7	59.4	63.3	54.2	55.3	57.9	61.8	51.5	52.5	55.0	58.7	47.7	48.7	51.0	54.4
		S/T	1.00	0.98	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.97	0.78	1.00	1.00	1.00	0.81	1.00	1.00	1.00	0.82
		Delta T	26	26	25	21	26	26	25	22	25	26	25	22	24	25	25	22	23	24	25	22	22	22	23	20
		KW	4.52	4.61	4.74	4.89	4.85	4.94	5.10	5.26	5.14	5.24	5.41	5.58	5.39	5.51	5.68	5.87	5.61	5.73	5.92	6.11	5.80	5.93	6.12	6.32
		AMPS	21.9	22.3	22.8	23.4	23.2	23.6	24.2	24.9	24.7	25.2	25.8	26.6	26.0	26.5	27.2	28.0	27.3	27.8	28.6	29.4	28.6	29.2	29.9	30.9
		HI PR	264	284	300	313	297	319	337	352	337	363	383	400	384	413	437	455	432	465	491	512	478	514	543	566
		LO PR	110	117	128	137	117	124	135	144	121	129	141	150	127	135	148	158	133	142	155	165	138	147	160	171
	1810	MBh	56.6	57.7	60.4	64.5	55.3	56.4	59.0	63.0	54.0	55.0	57.6	61.5	52.7	53.7	56.2	60.0	50.0	51.0	53.4	57.0	46.3	47.2	49.5	52.8
		S/T	0.96	0.93	0.84	0.68	1.00	0.96	0.87	0.71	1.00	0.99	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.96	0.78	1.00	1.00	0.96	0.78
		Delta T	28	27	26	22	28	28	26	23	27	28	26	23	27	27	26	23	25	26	26	22	24	24	24	21
		KW	4.48	4.57	4.71	4.85	4.81	4.91	5.06	5.22	5.10	5.20	5.37	5.54	5.35	5.46	5.64	5.82	5.57	5.69	5.87	6.06	5.75	5.88	6.07	6.27
		AMPS	21.7	22.1	22.7	23.3	23.0	23.5	24.0	24.7	24.5	25.0	25.6	26.4	25.8	26.3	27.0	27.8	27.1	27.6	28.4	29.2	28.4	28.9	29.7	30.6
		HI PR	262	282	297	310	294	316	334	348	334	359	380	396	380	409	432	451	428	461	486	507	473	509	537	560
		LO PR	109	116	127	135	116	123	134	143	120	128	139	148	126	134	146	156	132	141	153	163	137	145	159	169
	1584	MBh	52.2	53.3	55.8	59.5	51.0	52.0	54.5	58.1	49.8	50.8	53.2	56.7	48.6	49.5	51.9	55.4	46.2	47.1	49.3	52.6	42.8	43.6	45.7	48.7
		S/T	0.93	0.90	0.81	0.66	0.96	0.93	0.84	0.68	0.99	0.95	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.93	0.75
		Delta T	28	28	26	23	29	28	27	23	29	28	27	23	28	28	27	23	27	27	26	23	25	25	25	21
		KW	4.38	4.47	4.60	4.74	4.70	4.79	4.94	5.09	4.98	5.08	5.24	5.40	5.22	5.33	5.50	5.68	5.43	5.55	5.73	5.91	5.62	5.74	5.92	6.11
		AMPS	21.3	21.7	22.2	22.8	22.6	23.0	23.5	24.2	24.0	24.5	25.1	25.8	25.3	25.7	26.4	27.2	26.5	27.0	27.7	28.6	27.7	28.3	29.0	29.9
		HI PR	254	273	288	301	285	307	324	338	324	349	368	384	369	397	419	437	415	447	472	492	459	494	521	544
		LO PR	106	113	123	131	112	119	130	139	116	124	135	144	122	130	142	151	128	136	149	159	133	141	154	164

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is AHRI Rating Conditions

KW = Total system power

High and low pressures are measured at the liquid and suction access fittings.

AMPS: Unit amps (comp.+ evaporator + condenser fan motors)

COOLING PERFORMANCE DATA

PERFORMANCE TEST

All data based upon listed indoor dry bulb temperature. .00 inches external static pressure on coil of outdoor section. Indoor air cubic feet per minute (CFM) as listed in the Performance Data Sheets:

If conditions vary from this, results will change as follows:

1. As indoor dry bulb temperatures increase, a slight increase will occur in indoor air temperature drop (**Delta T**). Low and high side pressures and power will not change.
2. As indoor CFM decreases, a slight increase will occur in indoor temperature drop (**Delta T**). A slight decrease will occur in low and high side pressures and power.

A properly operating unit should be within plus or minus **3 degrees** of the typical (**Delta T**) value shown.

A properly operating unit should be within plus or minus **7 PSIG** of the **HI PR** shown.

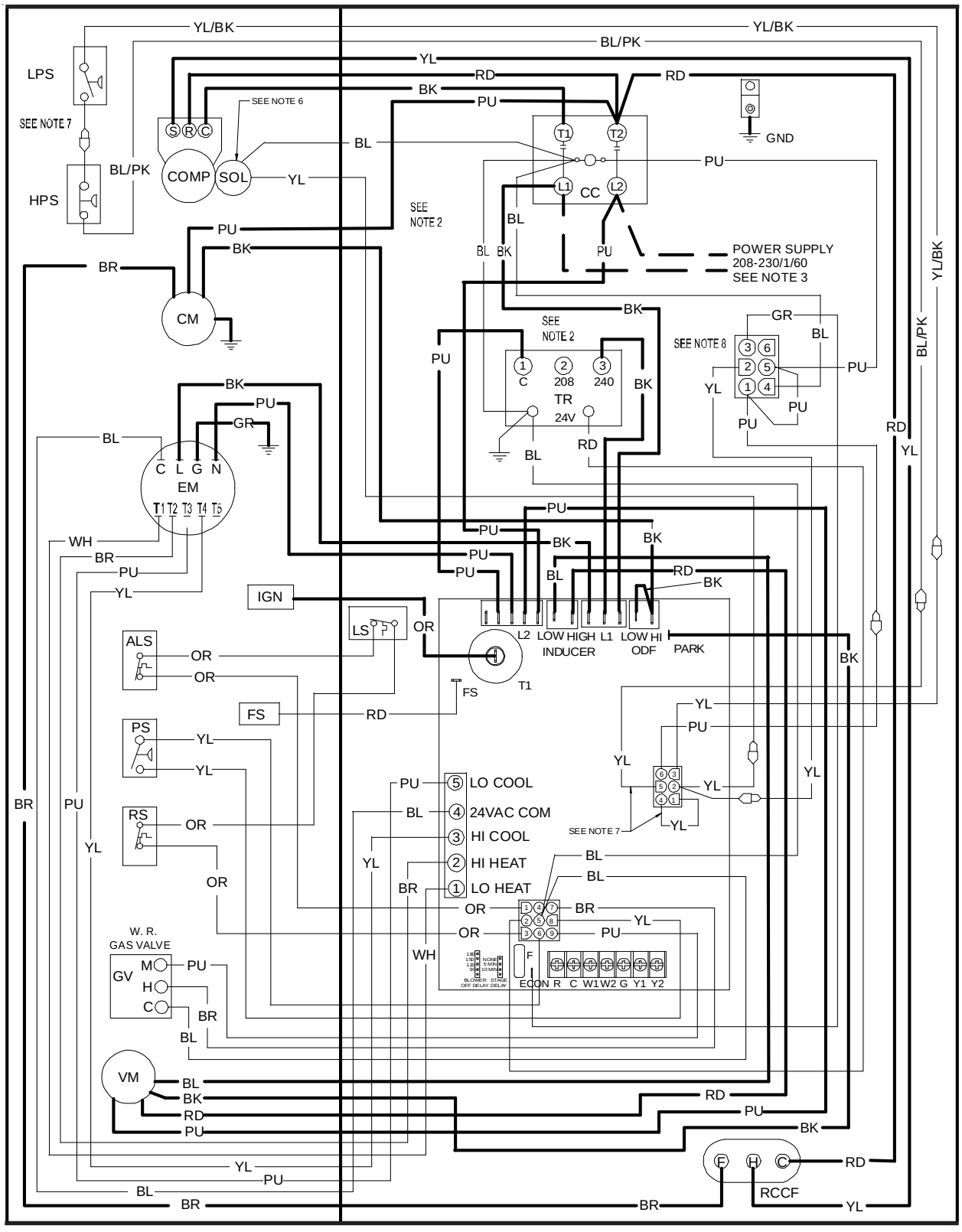
A properly operating unit should be within plus or minus **3 PSIG** of the **LO PR** shown.

A properly operating unit should be within plus or minus **3 Amps** of the typical value shown.

WIRING DIAGRAMS [A/G]PG15[24-60]***41**

WARNING

HIGH VOLTAGE!
DISCONNECT ALL POWER BEFORE SERVICING OR INSTALLING THIS UNIT. MULTIPLE POWER SOURCES MAY BE PRESENT. FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.

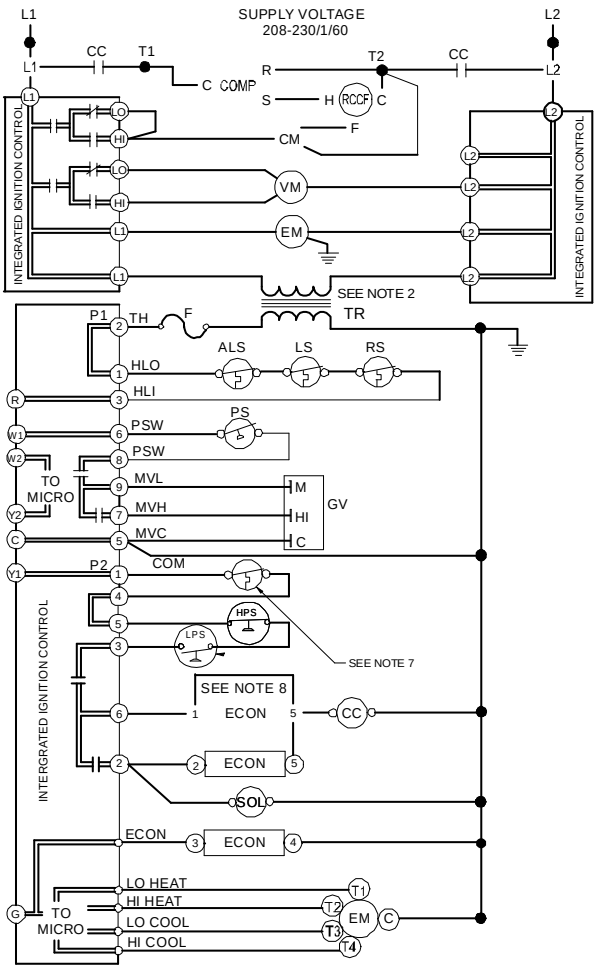


0140G00533 REV A

Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.

WARNING

HIGH VOLTAGE!
DISCONNECT ALL POWER BEFORE SERVICING OR INSTALLING THIS UNIT. MULTIPLE POWER SOURCES MAY BE PRESENT. FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.



COMPONENT LEGEND

ALS	AUXILLARY LIMIT SWITCH
COMP	COMPRESSOR
CM	CONDENSER MOTOR
CC	CONTACTOR
ECON	ECONOMIZER
EM	EVAPORATOR MOTOR
F	FUSE
FS	FLAME SENSOR
GND	EQUIPMENT GROUND
GV	GAS VALVE
IIC	INTEGRATED IGNITION CONTROL
IGN	IGNITOR
LS	LIMIT SWITCH
PS	PRESSURE SWITCH
RCCF	RUN CAPACITOR FOR COMPRESSOR/FAN
RS	ROLLOUT SWITCH
SOL	SOLENOID (2ND STAGE COOL)
TR	TRANSFORMER
VM	VENT MOTOR

FACTORY WIRING
- LINE VOLTAGE
- LOW VOLTAGE
- OPTIONAL HIGH VOLTAGE

FIELD WIRING
- HIGH VOLTAGE
- LOW VOLTAGE

WIRE CODE

BK	BLACK
BL	BLUE
BR	BROWN
GR	GREEN
OR	ORANGE
PK	PINK
PU	PURPLE
RD	RED
WH	WHITE
YL	YELLOW

NOTES

1. REPLACEMENT WIRE MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL.(USE COPPER CONDUCTOR ONLY).
2. FOR 208 VOLT TRANSFORMER OPERATION MOVE BLACK WIRE FROM TERMINAL 3 TO TERMINAL 2 ON TRANSFORMER.
3. USE COPPER CONDUCTORS ONLY.
4. FOR 208V OPERATION, REMOVE BLUE LEAD FROM INDUCER LOW TERMINAL. MOVE BLACK LEAD FROM PARK TERMINAL ONTO INDUCER LOW TERMINAL. PLACE BLUE LEAD ON PARK TERMINAL.
5. USE NEC CLASS 2 WIRE FOR THERMOSTAT FIELD WIRING.
6. COMPRESSOR 2ND STAGE SOLENOID NOT PRESENT ON ALL MODELS.
7. OPTIONAL REFRIGERANT SWITCHES
8. FOR ECONOMIZER, REMOVE PLUG FROM ECONOMIZER HARNESS. CONNECT PLUG FROM ECONOMIZER TO HARNESS.

DIAGNOSTIC LED - RED	STATUS	CHECK
ON	NORMAL OPERATION	-
OFF	NO POWER OR INTERNAL CONTROL FAULT	CHECK INPUT POWER CHECK FUSE(S) REPLACE CONTROL
1 FLASH	IGNITION FAILURE	GAS FLOW GAS PRESSURE GAS VALVE FLAME SENSOR
2 FLASHES	PRESSURE SWITCH OPEN	CHECK PRESSURE SWITCH CHECK TUBING CHECK VENT MOTOR
3 FLASHES	PRESSURE SWITCH CLOSED WITHOUT INDUCER ON	CHECK PRESSURE SWITCH CHECK WIRING FOR SHORTS
4 FLASHES	OPEN LIMIT SWITCH	CHECK MAIN LIMIT SWITCH CHECK AUXILIARY LIMIT SW. CHECK ROLLOUT LIMIT SW.
5 FLASHES	FALSE FLAME DETECTED	CHECK GAS VALVE CHECK FOR SHORTS IN FLAME SENSOR WIRING
6 FLASHES	COMPR. SHORT CYCLE DELAY	3 MIN COMP. SHORT CYCLE DELAY

DIAGNOSTIC LED - RED	STATUS	CHECK
7 FLASHES	LIMIT OPEN 5 TIMES IN SAME CALL FOR HEAT	CHECK MAIN LIMIT SWITCH CHECK AUXILIARY LIMIT SW.
8 FLASHES	IDT/ODT OPEN	CHECK JUMPER BETWEEN 1 AND 4 ON 6-CIRCUIT CONNECTOR CHECK OPTIONAL REFRIGERANT SWITCHES
9 FLASHES	PSW/LOC OPEN	CHECK REFRIGERANT SWITCHES FOR LOSS OF CHARGE OR HIGH HEAD PRESSURE

DIAGNOSTIC LED - AMBER	STATUS	CHECK
OFF	NO FLAME PRESENT	-
ON	NORMAL FLAME PRESENT	-
1 FLASH	LOW FLAME SIGNAL	GAS FLOW GAS PRESSURE GAS VALVE FLAME SENSOR
2 FLASHES	FALSE FLAME DETECTED	CHECK GAS VALVE CHECK FOR SHORTS IN FLAME SENSOR WIRING

0140G00533 REV A

Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.